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THE

HARVARD MEDICAL
SCHOOL

AND

SCHOOL OF DENTAL MEDICINE

25 SHATTUCK STREET
BOSTON • MASSACHUSETTS

1946-47 and 1947-48



PUBLISHED BY HARVARD UNIVERSITY

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ANNOUNCEMENT
OF THE
HARVARD MEDICAL
SCHOOL
AND
SCHOOL OF DENTAL
MEDICINE

25 SHATTUCK STREET
BOSTON • MASSACHUSETTS

1946-47 and 1947-48



PUBLISHED BY THE UNIVERSITY

NOTE

BECAUSE this catalogue closed for the press in October, 1947, the information it contains is not in every case correct for the entire academic year 1947-48.

Frontispiece copyright by Dr. Walter Willard Boyd.

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HARVARD MEDICAL SCHOOL

AND THE

HARVARD SCHOOL OF DENTAL MEDICINE

CALENDAR

- 1946
- April 1, Monday* **Academic Year begins** for fourth year class.
- April 8, Monday* **Academic Year begins** for the third year class.
- April 10, Wednesday* Payment of final instalment of Tuition (\$145), Board through Feb. 28, and Room Rent for the second half year is required on this day for the first year class.
- April 19, Friday* Patriot's Day: a holiday.
- May 30, Thursday* Memorial Day: a holiday.
- June 3-7* Examination Period for first year class.
- June 5, Wednesday* Payment of final Board bill is required on this date for the first year class.
- June 8, Saturday* Summer vacation begins for first year class.
- Recess from July 1 to October 13, inclusive, for third year class.
- July 4, Thursday* Independence Day: a holiday.
- Aug. 31, Saturday* A free day.
- Sept. 2, Monday* Labor Day: a holiday.
- Sept. 20, Friday* Registration of first year students.
- Sept. 23, Monday* **Academic Year begins** for first and second year classes.
- Sept. 25, Wednesday* Payment of first instalment of Tuition (\$145) and the first half of the Infirmary Fee (\$15) is required on this date for the first and second year classes.
- Oct. 10, Thursday* Payment of second instalment of Tuition (\$145) Board through August 30, and Room Rent for the first half year is required on this date for third and fourth year classes.
- Oct. 12, Saturday* Columbus Day: a holiday.
- Oct. 14, Monday* **Second semester begins** for the third year class.
- Nov. 11, Monday* Armistice Day: a holiday.

- Nov. 28, Thursday* Thanksgiving Day: a holiday.
Dec. 10, Tuesday Payment of second instalment of Tuition (\$145), Board through October 31, and Room Rent for the first half year is required on this date for the first and second year classes.

Recess from December 20, 1946 to January 7, 1947, inclusive, for third year class.

Recess from December 22, 1946 to January 5, 1947, inclusive, for first and second year classes.

1947

- Jan. 10, Friday* Payment of third instalment of Tuition (\$145), last half of the Infirmary Fee (\$15), and Board through December 31, is required on this date for the third and fourth year classes.
Jan. 15, Wednesday Last day for receiving applications for the Cheever, Greene, Haven, and Mears Scholarships.
Feb. 3, Monday **Second half year begins** for first and second year classes.
Feb. 10, Monday **Third trimester begins** for third year class.
 Payment of third instalment of Tuition (\$145), last half of the Infirmary Fee (\$15), and Board through December 31, is required on this date for first and second year classes.
Feb. 22, Saturday Washington's Birthday: a holiday.
Mar. 1, Saturday Last day for receiving applications of candidates for the degree of M.D. in 1947.
Mar. 10, Monday Payment of the last instalment of Tuition (\$145), Room Rent for the second half year, and Board through January 31 is required on this date for third and fourth year classes.
Apr. 10, Thursday Payment of the last instalment of Tuition (\$145), Board through February 28, and Room Rent for the second half year is required on this date for the first and second year classes.

Recess from April 13 to 20, inclusive, for first and second year classes.

- Apr. 19, Saturday* Patriot's Day: a holiday.
May 1, Thursday Last day for receiving applications for Scholarships for 1947-48 (except the Cheever, Greene, Haven, and Mears Scholarships.)
May 19-24 Examination Period for third year class.
May 30, Friday Memorial Day: a holiday.

- May 31–June 5* Examination Period for first and second year classes.
May 31, Saturday A free day.
June 2, Monday **Summer courses begin** for fourth year class.
June 4, Wednesday Payment of Board to the end of the term is required on this date for all classes.
June 5, Thursday **Commencement.**

Summer Vacation from Commencement to September 21, inclusive.

- July 4, Friday* Independence Day: a holiday.
Sept. 1, Monday Labor Day: a holiday.
Sept. 19, Friday Registration of first year students.
Sept. 22, Monday **Academic Year begins** for first, second and third year classes.
Sept. 25, Thursday Payment of first instalment of Tuition (\$145) and the first half of the Infirmary Fee (\$15) is required on this date for first, second and third year classes.
Oct. 1, Wednesday **Academic Year begins** for fourth year class.
Oct. 3, Friday Payment of first instalment of Tuition and the first half of the Infirmary Fee is required on this day for the fourth year class.
Oct. 13, Monday Columbus Day: a holiday.
Nov. 11, Tuesday Armistice Day: a holiday.
Nov. 27, Thursday Thanksgiving Day: a holiday.
Dec. 8, Monday **Second Trimester begins** for third year class.
Dec. 10, Wednesday Payment of second instalment of Tuition, Board through October 31, and Room Rent for the first half year is required on this date for all classes.

Recess from December 21, 1947 to January 4, 1948, inclusive, for first, second and third year classes.

1948

- Jan. 15, Thursday* Last day for first year students to apply for scholarships for second half year.
Feb. 2, Monday **Second half year begins** for first and second year classes.
Feb. 10, Tuesday Third instalment of Tuition, last half of the Infirmary Fee, and Board through December 31 is required on this date for all classes.
Feb. 23, Monday Washington's Birthday: a holiday.
Mar. 8, Monday **Third Trimester begins** for third year class.
Apr. 1, Thursday Last day for receiving applications of candidates for the degree of M.D. in June 1948.

Apr. 9, Friday Payment of last instalment of Tuition, Board through February 29, and Room Rent for the last half of the year is required on this date from all classes.

Recess from April 11 to 19, inclusive, for first, second and third year classes.

Apr. 19, Monday Patriot's Day: a holiday.

May 15, Saturday Last day for receiving applications for Scholarships for 1948-49.

May 31, Monday Memorial Day: a holiday.

June 1-5 Examination Period.

June 9, Wednesday Payment of Board to the end of the term is required on this date for all classes.

June 10, Thursday **Commencement.**

Summer vacation from Commencement to September 26, 1948, inclusive.

THE PRESIDENT AND FELLOWS OF
HARVARD COLLEGE

This Board is commonly known as the CORPORATION

PRESIDENT

JAMES BRYANT CONANT, A.B., PH.D., LL.D., S.D., L.H.D., D.C.L.,
D.Sc.

FELLOWS

HENRY LEE SHATTUCK, A.B., LL.B., LL.D.

ROGER IRVING LEE, A.B., M.D.

GRENVILLE CLARK, A.B., LL.B.

CHARLES ALLERTON COOLIDGE, A.B., LL.B.

HENRY JAMES, A.B., LL.B., LL.D.

TREASURER

WILLIAM HENRY CLAFLIN, JR., A.B.

SECRETARY TO THE CORPORATION

DAVID WASHBURN BAILEY, A.B.

THE BOARD OF OVERSEERS

The PRESIDENT and the TREASURER of the University, *ex officio*, and the following persons by election: —

1946 *

FREDERICK ROY MARTIN, A.B., A.M., LL.D.

WILLIAM BENNETT MUNRO, LL.B., PH.D., A.M. (hon.), LL.D.,
Litt.D.

EDWARD BELL KRUMBHAAR, A.B., M.D., PH.D.

PERRY DUNLAP SMITH, A.B., Litt.D.

ROY EDWARD LARSEN, A.B.

1947

JOHN WELLS FARLEY, A.B., LL.B.

ARTHUR ATWOOD BALLANTINE, A.B., LL.B., LL.D., D.C.L.

WINTHROP WILLIAMS ALDRICH, A.B., LL.B., LL.D.

ROBERT EMMET SHERWOOD, Litt.D.

ROBERT FISKE BRADFORD, A.B., LL.B.

1948

WILLIAM ALLAN NEILSON, PH.D., LL.D., A.M., Litt.D., L.H.D.

CLARENCE COOK LITTLE, A.B., S.M., Sc.D., LL.D., Litt.D.

FREDERICK LEWIS ALLEN, A.M.

RICHARD CARY CURTIS, A.B., LL.B.

GEORGE BARRY BINGHAM, A.B.

1949

JOSEPH CLARK GREW, A.B., LL.D.

ROGER DEARBORN LAPHAM, A.B.

RALPH LOWELL, A.B.

LEVERETT SALTONSTALL, A.B., LL.B., LL.D.

CHARLES EDWARD WYZANSKI, JR., A.B., LL.B.

* The term expires, in each case, on Commencement Day of the year indicated.

1950

JEROME DAVIS GREENE, A.M., LL.D.

WALTER SHERMAN GIFFORD, A.B., LL.D., D.S.C., D.C.L.

JOHN COWLES, A.B., LL.D.

CHARLES CODMAN CABOT, A.B., LL.B.

WALTER DUMAUX EDMONDS, A.B., Litt.D.

1951

EDWARD WALDO FORBES, A.B., A.M., ART.D., LL.D.

WILLIAM McNEAR RAND, A.B.

CHARLES MOORFIELD STOREY, A.B., A.M., LL.B.

THOMAS STILWELL LAMONT, A.B.

EDWARD AUGUSTUS WEEKS, JR., S.B., Litt.D.

SECRETARY OF THE BOARD OF OVERSEERS

DAVID WASHBURN BAILEY, A.B. 25 Massachusetts Hall, Cambridge

ADMINISTRATIVE OFFICERS OF THE MEDICAL SCHOOL AND SCHOOL OF DENTAL MEDICINE

President: JAMES B. CONANT, PH.D., LL.D., S.D., L.H.D., D.C.L., D.SC.

Office, 1 Massachusetts Hall, Cambridge.

Dean: C. SIDNEY BURWELL, M.D., LL.D.

Office, Administration Building, Medical School. Office hours by appointment.

Associate Dean and Dean of School of Dental Medicine: JAMES M. DUNNING, D.D.S.

Office, Administration Building, Medical School. Office hours by appointment.

Assistant Dean: DALE G. FRIEND, M.D. (Feb. 1, 1946–Sept. 15, 1947.)

Office, Administration Building, Medical School. Office hours by appointment.

Assistant to the Dean: REGINALD FITZ, M.D.

Office, Administration Building, Medical School. Office hours by appointment.

Secretary: MISS PRISCILLA MORRIS, S.B.

Office, Administration Building, Medical School.

Chairman of the Division of Medical Sciences of the Faculty of Arts and Sciences: EDWIN J. COHN, PH.D., Harvard Medical School. Office hours by appointment.

Physician to Students: MYLES P. BAKER, M.D.

Office hours, daily, except Saturdays and holidays, 8.15 to 9 A.M., and 4 to 5.30 P.M., Room 103, Administration Building, Medical School. Telephone, Longwood 6-2380.

The Bursar's Office is in Lehman Hall, Cambridge. It is open on all business days from 9 A.M. to 5 P.M., except Saturdays, when it is open from 9 A.M. to 1 P.M., for the receipt of fees, payments, and other financial business.

ADMINISTRATIVE BOARD OF THE MEDICAL SCHOOL AND SCHOOL OF DENTAL MEDICINE

1946-47

PRESIDENT, JAMES B. CONANT, PH.D., LL.D., S.D., L.H.D., D.C.L., D.Sc.
(*ex officio*).

DEAN, C. SIDNEY BURWELL, M.D., LL.D., *Chairman*.

JAMES M. DUNNING, D.D.S., *Associate Dean and Dean of School of Dental Medicine*.

- DALE G. FRIEND, M.D., *Assistant Dean and Instructor of Pharmacology.*
 ERIC G. BALL, Ph.D., *Professor of Biological Chemistry.*
 WALTER BAUER, M.D., *Associate Professor and Tutor in Medicine.*
 HERRMAN L. BLUMGART, M.D., *Professor of Medicine.*
 OLIVER COPE, M.D., *Assistant Professor of Surgery.*
 EDWARD W. DEMPSEY, Ph.D., *Associate Professor of Anatomy.*
 DEREK E. DENNY-BROWN, M.D., *James Jackson Putnam Professor of Neurology.*
 JAMES L. GAMBLE, M.D., *Professor of Pediatrics.*
 CHARLES A. JANEWAY, M.D., *Thomas Morgan Rotch Professor of Pediatrics and Instructor in Bacteriology and Immunology.*
 EUGENE M. LANDIS, M.D., Ph.D., *George Higginson Professor of Physiology.*
 GEORGE R. MINOT, M.D., S.D. (hon.), F.R.C.P. (Edin.), F.R.C.P. (Lond.), *Professor of Medicine.*
 HARRY C. SOLOMON, M.D., *Professor of Psychiatry.*
 GEORGE W. THORN, M.D., *Hersey Professor of the Theory and Practice of Physic.*
 CHARLES M. WALDO, D.D.S., S.M., *Assistant Professor of Orthodontics and Research Associate in Anatomy.*

1947-48

- PRESIDENT, JAMES B. CONANT, Ph.D., LL.D., S.D., L.H.D., D.C.L., D.Sc. (*ex officio*).
 DEAN, C. SIDNEY BURWELL, M.D., LL.D., *Chairman.*
 JAMES M. DUNNING, D.D.S., *Associate Dean and Dean of School of Dental Medicine.*
 REGINALD FITZ, M.D., *Assistant to the Dean and Lecturer on the History of Medicine.*
 WALTER BAUER, M.D., *Associate Professor of Medicine.*
 HERRMAN L. BLUMGART, M.D., *Professor of Medicine.*
 OLIVER COPE, M.D., *Assistant Professor of Surgery.*
 EDWARD W. DEMPSEY, Ph.D., *Associate Professor of Anatomy.*
 DEREK E. DENNY-BROWN, M.D., *James Jackson Putnam Professor of Neurology.*
 JOHN T. EDSALL, M.D., *Associate Professor of Biological Chemistry.*
 JAMES L. GAMBLE, M.D., *Professor of Pediatrics.*
 ROY O. GREEP, Ph.D., *Associate Professor of Dental Science.*

EUGENE M. LANDIS, PH.D., *George Higginson Professor of Physiology.*

ALAN R. MORITZ, M.D., *Frances Glessner Lee Professor of Legal Medicine.*

DUNCAN E. REID, M.D., *William Lambert Richardson Professor of Obstetrics.*

HARRY C. SOLOMON, M.D., *Professor of Psychiatry.*

GEORGE W. THORN, M.D., *Hersey Professor of the Theory and Practice of Physic.*

HARVARD MEDICAL SCHOOL BOSTON

HISTORY AND ORGANIZATION

The Harvard Medical School started as a branch of the University in 1782, when three professorships of medicine were established. The first degrees, Bachelor of Medicine, were conferred in 1788. Until 1811 the degrees of Bachelor of Medicine and Doctor of Medicine were conferred, the former on graduation from the Medical School, the latter on examination at least seven years after graduation. In 1811 the degree of Doctor of Medicine was granted to graduates of that year and to earlier graduates who had not been admitted to it, and all graduates since 1811 have received this degree. From 1911 to 1921, inclusive, the degree of Doctor of Public Health was conferred for graduate work. Since 1921 the degrees of Bachelor of Public Health, Master of Public Health and Doctor of Public Health have been conferred under the School of Public Health.

When the Medical School opened, the first lectures were given in the buildings of the College, Harvard Hall and Holden Chapel. The School moved to Boston in 1810, in order to be close to whatever hospital facilities might develop in a large and growing city, and has remained there since. In 1816 the first Medical School building was erected. From 1882 until 1906 the School occupied the building at the corner of Boylston and Exeter Streets now used by Boston University. In September 1906, the School moved into its present buildings on Longwood Avenue and Shattuck Street. They are five in number and with their surrounding grounds occupy eleven acres. One of these is designed for administration and four for housing the laboratory departments, and for laboratory and clinical instruction.

Previous to 1906, the major part of the clinical teaching was carried on in the Massachusetts General and Boston City Hospitals. Since that date, however, there has grown up in the neighborhood of the Medical School, and become affiliated with it, a group of hospitals which are used for clinical teaching and investigation, in addition to the clinical facilities previously at the School's disposal. Clinical advantages from the students' viewpoint are not a matter of large hospitals only, but rather are related to the number of patients in these hospitals who are under the care of instructors on the staff of the Medical School and available for teaching purposes. Harvard Medical School students are offered an unrivaled opportunity to secure a well-organized clinical experience and knowledge of disease. Each student comes into intimate contact, under supervision, with patients in these hospitals, beginning in the second half of the second year and increasing until the fourth year,

when the students serve as clinical clerks and give their whole time to the study of patients.

BUILDINGS

The Administration Building (A), with over 40,000 square feet of floor space, contains the Faculty Room, the Deans' Offices of the Medical School and School of Dental Medicine, the Alumni Office, the Courses for Graduates Office, the Hygiene Office, the joint library of the Medical School and the School of Public Health, and the Warren Museum.

The laboratory buildings, designated by the letters B, C, D, and E, are all constructed on the same general plan. Each consists of two parallel wings united at the front by an amphitheatre with a seating capacity of two hundred and fifty. Both the smaller rooms and the laboratories are designed on a unit system which greatly simplifies the changes required in making these suited to the needs of departments whose methods of teaching have changed since the rooms were originally designed.

The amount of floor space varies considerably in each of the four buildings, but the design is such that this variation is not apparent from the main quadrangle.

Building B accommodates the Department of Anatomy, Histology, and Embryology. The wings each have three floors and a total floor space of over 52,000 square feet.

Building C provides space for the Departments of Physiology, Physical Chemistry, Biochemistry, and Experimental Surgery. In this building each wing has four floors and a total floor space of 62,000 square feet.

Building D is occupied by the Departments of Bacteriology, Biophysics, Pathology, and Preventive Medicine and also laboratories of the Department of Medicine. In this building there are five floors in one wing and three floors in the other, with a total floor space of over 48,000 square feet. There are animal houses between Building B and D and between Buildings C and E.

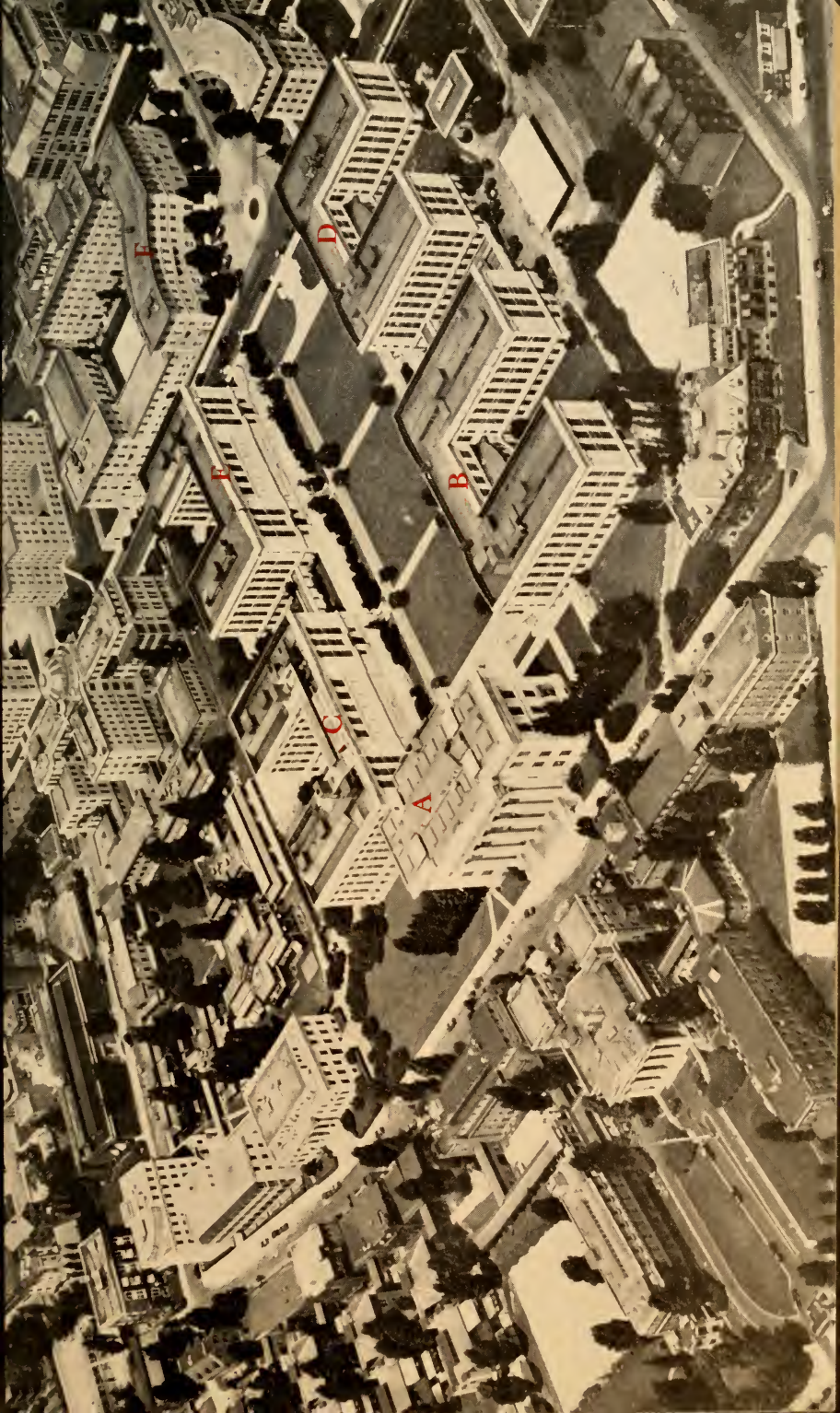
Building E houses Pharmacology, Legal Medicine, and Comparative Pathology and Tropical Medicine. There are three floors in one wing and four floors in the other, with a floor space of 35,000 square feet.

An airplane view of the buildings and their position is shown on facing page.

The clinical departments are housed in the various hospitals associated with the School. Vanderbilt Hall (F), the dormitory for male medical students, is immediately adjacent to the Medical School buildings.

HOSPITAL FACILITIES

The Massachusetts General Hospital. — This is a general hospital founded in 1811 and ever since associated with the Medical School. There are services





in medicine, surgery, pediatrics, dermatology, genito-urinary diseases, orthopaedics, gynaecology, neurology, neurosurgery, anaesthesia and psychiatry, all of which are used in giving instruction in these special departments of medicine. The hospital has 886 beds, 453 of them being available for teaching purposes. In the General Hospital 7,227 patients were admitted in 1946, and there were 135,824 patients' days treatment. Large out-patient departments are also used for instruction in the above clinical subjects. 21,678 new patients were admitted to the out-patient department last year for a total of 237,630 visits. 14,100 patients were treated in the emergency ward. Laboratories for pathology, chemistry, metabolism, medical and surgical research, and x-ray are maintained, and there is an excellent medical library, all of which are open to students in the Medical School.

In 1943 the Collis P. Huntington Hospital and its associated laboratories of the Harvard Cancer Commission were transferred from their former location adjacent to the Medical School to the buildings of the Massachusetts General Hospital.

In 1942 arrangements were made with the Vincent Memorial Hospital and the Hall-Mercer Hospital to care for their patients in the Massachusetts General Hospital.

The Massachusetts Eye and Ear Infirmary.—There are 231 beds in this hospital, 189 of which are used for instruction in diseases of the eye, ear, nose and throat. In 1946, 4,044 patients were treated in the wards, and there were 34,620 patients' days treatment. Last year there were 72,570 out-patient visits. There were 4,975 patients treated in the emergency ward. Pathological and x-ray laboratories are maintained.

The Boston City Hospital.—This hospital with all its divisions contains 2,537 beds, including 159 bassinets for newborn, 217 cribs for children, and 300 newly added beds for Surgery in the Dowling Building, which was opened in 1937. 1,621 of these beds are in the main hospital and are available to the teaching units of the Medical School. The 2nd and 4th medical services, the neurological and the pathological services are under the direction of professors of the Harvard Medical School, and in addition there are divisions of gynaecology, obstetrics, and other specialties open to our students. The department of radiology is very large and occupies an important teaching position. In the Out-Patient Department and Accident Floor 273,222 patients applied for diagnosis and treatment during the year 1946, furnishing students with additional opportunities for well supervised clinical experience.

The Thorndike Laboratory has been established as a special department for medical research. A department for surgical research was opened in 1930. In addition there are well-equipped laboratories for pathology, chemistry, metabolism, immunology, neurology, and surgery wherein much clinical investigation goes forward each year. The hospital maintains an admirable library which subscribes to 123 current medical journals. There is a house

officers' residence, a modern brick building of seven stories and basement. The building includes sunroom, lounges, swimming pool, squash courts, etc., for recreation.

The Peter Bent Brigham Hospital. — This hospital has been closely associated with the Medical School since its dedication in 1913. It is for general medical and surgical cases, and is situated on grounds adjacent to the Medical School buildings. The chiefs of services are professors of the Faculty of the Medical School. There are 250 beds, all of which are used for teaching purposes. During the past year, 4,802 patients were admitted, and total patient days' treatment was 73,968. There is also maintained an out-patient service for ambulatory medical and surgical patients to which 4,371 new patients applied during the past year. The total number of visits was 52,031. There are well-equipped medical, surgical, and pathological laboratories. The hospital, by special arrangement, makes use of the library of the Medical School.

The Beth Israel Hospital. — This is a general hospital with a capacity of 215 beds (including 15 pediatric beds), 150 of which are available for teaching. The institution is located on Brookline Avenue around the corner from the Harvard Medical School. The hospital is equipped for teaching and research, having laboratories for research in surgery, medicine, and pathology, each under the direction of a full-time physician who is associated with the Faculty of the Harvard Medical School. There are also electrocardiograph and basal-metabolism laboratories, animal research equipment, and an extensive x-ray department. 6,020 patients were admitted to the hospital last year and spent 71,596 patients' days in the institution. There were 7,684 patients treated in the out-patient department, of which 2,458 were new patients; and 44,595 visits were made to the out-patient department.

The Children's Hospital. — Located on Longwood Avenue adjacent to the Medical School. A specialized hospital for the care of sick children up to twelve years of age. The hospital maintains medical, surgical, and orthopaedic services with their associated branches, neurological, contagious, nose and throat, physiotherapy and scoliosis departments. There are 325 beds of which 270 are available for teaching. During the year there were 7,000 cases treated in the wards, and 60,000 treated in the out-patient department. Pathological, bacteriological and chemical laboratories are provided for the study of material from the wards and out-patient service.

The Infants' Hospital (Thomas Morgan Rotch Jr. Memorial Hospital for Infants). — This hospital is closely related to the Children's Hospital. There are 40 beds which are devoted to the care of infants, in addition to eleven bassinets and eight incubators, which are reserved for premature infants. 1,000 were treated during the year. All of the cases in this hospital are available for teaching.

The Boston Lying-in Hospital.— This hospital occupies a building completed in 1922 at 221 Longwood Avenue. There are 138 ward beds, all of which are used for teaching. During the past year there were 3,322 adult admissions to the hospital, of whom 2,590 were delivered. Chemical, pathological, bacteriological and blood bank laboratories, and a well-equipped x-ray department are available for research.

The Free Hospital for Women.— This hospital is devoted exclusively to the surgical treatment of diseases peculiar to women. It has 100 beds, of which 65 are available for teaching. Between 2,200 and 2,300 patients are operated upon yearly. In the out-patient department about 12,000 patients are seen in a year, of whom between 2,000 and 3,000 are new. In addition to standard laboratory facilities and a library, it has a laboratory for research in fertility and the Fearing Research Laboratory.

Boston Psychopathic Hospital.— This is a state institution for acute, curable, incipient, and doubtful cases of mental disease. The hospital was opened to patients in June, 1912. It has 117 beds, all of which are available for teaching, and receives patients at the rate of about 1,400 a year. The hospital is equipped with psychological and biochemical laboratories. The out-patient department receives new patients at the rate of about 1,650 a year. In addition to the psychoses and neuroses, the clinical material includes cases of maladjustment, personality problems, behavior disorders of childhood and mental defect.

McLean Hospital.— This hospital is an institution for the care and treatment of patients with mental disorders. It was the first hospital in New England preceding the founding of the Massachusetts General Hospital, which latter institution sprang from the McLean Hospital and both hospitals continue to have the same board of trustees. It has a capacity of approximately 200 beds devoted to the care and treatment of all types of mental disorders. It has been a teaching hospital connected with the Harvard Medical School through many decades. It is well equipped with laboratories for both routine and research work.

House of the Good Samaritan.— This hospital is situated at 25 Binney Street, Boston, adjacent to the Medical School. There are 79 beds devoted to the care and study of rheumatic fever and rheumatic heart disease. 102 patients were admitted in 1946. The hospital has a research department for the study of rheumatic fever and rheumatic heart disease. All beds are available for teaching.

New England Deaconess Hospital.— This hospital contains 315 beds and includes the Deaconess General, the George F. Baker Clinic, and the Palmer Memorial Unit. The George F. Baker Clinic is especially equipped for diabetics and study of the disease. The Palmer Memorial is devoted to cancer and chronic disease; it owns two grams of radium, a large emanation plant,

a 4,000,000 volt x-ray therapy machine, and maintains effective social service, and out-patient departments.

The Middlesex County Sanatorium, 775 Trapelo Road, Waltham, Mass.— This institution was established in 1931 for the control of tuberculosis in Middlesex County. Patients in all stages of pulmonary tuberculosis are admitted. There are 380 beds available for teaching purposes. Complete x-ray and laboratory facilities are maintained; ultra violet light and other special forms of treatment are available. A surgical unit provides complete equipment for general and thoracic surgery, which includes a separate endoscopic room for the operations of internal pneumolysis and bronchoscopy. A large number of ambulatory patients are treated in the out-patient department. A special feature of the sanatorium is the diagnostic service rendered to physicians where cases of any suspected lung disease as well as contact cases of pulmonary tuberculosis may be referred for examination and laboratory study. These diagnostic clinics are conducted by members of the staff at several centers within the county.

HOSPITAL APPOINTMENTS

An active service is maintained to aid graduates in securing suitable hospital appointments as interns. Boston hospitals affiliated with the School make about one hundred such appointments each year.

SCHOOL OF DENTAL MEDICINE

The Harvard School of Dental Medicine admitted its first students in the academic year 1941-42. This School, which succeeds the Harvard Dental School, offers a four-year course leading to the degree D.M.D.

The requirements for admission are identical with those of the Medical School. Qualified students and graduates of approved medical schools who wish to specialize in dentistry may be admitted to the School of Dental Medicine with advanced standing.

During the first two academic years the courses of instruction are identical with those of the Medical School. The third and fourth years are under the direct supervision of the staff of the School of Dental Medicine. This course is intended to provide a thorough training in dental skills and procedure in keeping with legal safeguards established by State Boards of Licensure and sufficient to permit entry into the practice of general dentistry.

LIBRARIES

The joint library of the Medical School and the School of Public Health is on the second floor of the Administration Building, and in the other buildings are branch libraries. This library is open from 9 A.M. until 10 P.M., on

Saturdays from 9 A.M. until 5 P.M., and on Sundays from 2 P.M. until 6 P.M. The present number of volumes in the library is 88,142 and in addition there are 199,779 pamphlets and 833 current periodicals on file.

The School of Dental Medicine Library, at 188 Longwood Avenue, has about 3,544 bound volumes, 200 pamphlets and 65 current periodicals.

The George Burgess Magrath Library of Legal Medicine contains a collection of approximately 3,000 bound volumes, 378 pamphlets, and 13 current periodical titles. It is located on the third floor of Building E.

The Lucien Howe Library of Ophthalmology, at the Massachusetts Eye and Ear Infirmary, has 3,071 bound volumes, 2,566 pamphlets, and 37 current periodicals.

The College Library at Cambridge is open to the students of this School.

The Boston Public Library is open to students who are residents of Boston. Students, not residents of Boston, who have filed a bond at the Bursar's office, may also use this library. The Bursar will furnish on application the necessary certificate of bond.

The Boston Medical Library, No. 8 The Fenway, contains on file about 200,405 bound volumes, 140,128 pamphlets, and approximately 723 current periodicals. This very valuable library is open to those who desire to consult medical literature, on week days from 9 A.M. to 5 P.M., and on Monday and Thursday, to 9 P.M. Saturdays, 9 A.M. to 1 P.M.

The librarian of the Medical School and the School of Public Health Library is Miss Anna C. Holt whose office is in Building A. Through her, contact with the other libraries mentioned is maintained. Dr. Reginald Fitz is Chairman of the Library Committee.

WARREN ANATOMICAL MUSEUM

The Warren Anatomical Museum was founded in 1847 by JOHN COLLINS WARREN, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son of JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. During the academic year 1946-47 and 1947-48 the Museum will be opened to visitors and students in the School by appointment only, on application to the Department of Pathology.

The collection has over twenty thousand specimens, illustrating both normal and pathological anatomy. Students and graduates may have access to these specimens.

Besides dissections and serial sections of bones, the anatomical collection includes many injections, corrosion preparations, models and groups of bones, notably the Dwight collection of spines, hands and feet, and the Tello collection of skulls. A section of neuropathology is growing larger and is suitable for teaching. There has been added a very valuable series of total brain sec-

tions which show major lesions. These are displayed over illuminated boxes.

The pathological collection of "hand" specimens, conveniently housed in 40-gallon tanks, is for the use of students, and mounted specimens illustrate the major diseases.

There is a collection of medico-legal material which has a section to itself and forms a basis for teaching.

The American Ambulance of Paris contributed a number of specimens from the European War, especially interesting for a student of military surgery.

REQUIREMENTS FOR ADMISSION

Candidates for admission to the first-year class must present evidence satisfactory to the Committee on Admission, not simply that they have passed the courses necessary to fulfill the requirements, but also that their college work and other credentials have been of such character as to give promise of work of high quality in the medical course. Students who satisfy the committee in other respects will be admitted on the basis of only two years of college work, but three or four years are strongly recommended.

In general, the School considers for admission to its classes male and female students in good standing in arts or in sciences in colleges holding membership in one of the national educational associations. Credentials from foreign universities, in most cases, must be supplemented by a year or more of work in an American university. Admission cannot be assured as the combined class of the Medical School and the School of Dental Medicine is limited by Faculty rule to 125 students.

In order to meet the present legal requirements of state licensing boards and to have the needed basic understanding, the following specific college credits must be secured:

Biology: The student should take a general survey course in biology which should emphasize the structure, function, natural history and evolution of plants and animals. A course in embryology is distinctly recommended but bacteriology, human anatomy and histology will not be considered as meeting the biology requirements. A satisfactory course should show college credits of at least eight semester hours.

Chemistry: The student should acquire a sound understanding of the basic principles of chemistry, both inorganic and organic, including a solid foundation in aromatic compounds. He must have taken not less than 16 semester hours of chemistry, which should be about equally divided between inorganic and organic chemistry. Biochemistry will not be accepted as meeting these requirements.

To be adequately prepared for the work in chemistry in the Medical School, it is desirable that the student have had experience with the ap-

plication of chemical laws to gases and solutions, and some experience with quantitative techniques (particularly volumetric analysis).

Physics: The student should acquire an understanding of the general principles of physical laws and phenomena, and have experience in mechanics, heat, light, sound and electricity. College credit for eight semester hours should be secured.

These science courses must be accompanied by laboratory work taken as a part of the college courses.

English: The student must have facility in the use of English in speech and composition. A one-year course as a minimum is acceptable but two years of college English are recommended.

Modern Language: Every student should have a reading knowledge of a modern language important to medicine in addition to English. A reading knowledge presupposes two years of high school and one year of college work, or two years of college work. The Committee on Admission suggests French, German, Spanish, or Russian as suitable languages.

The Professional Aptitude Test of the Association of American Medical Colleges (given in most colleges) is required.

The Graduate Record Examination of the Carnegie Foundation for the Advancement of Teaching is required.

ADMISSION FOR SERVICEMEN

The Harvard Medical School and the Harvard School of Dental Medicine welcome inquiries regarding future application from men who are now on active duty with the armed forces. The Committee on Admission cannot act on applications from men still on active duty and not released from service. The applications of men on terminal leave or whose date of discharge is definitely known may be considered by the Committee. The qualifications for admission remain essentially the same for veterans as for civilian applicants. Before the acceptance of a veteran can become final, the applicant will need to submit photostatic copies of discharge papers or similar evidence of honorable release. Where available the applicant should file also a copy of his "Separation and Qualification Record" on which is listed in detail his service record and training. If the Committee does not act favorably on an application, certifications furnished by the applicant may be returned, at his request. It is the responsibility of the applicant to take the necessary steps toward obtaining government benefits for servicemen eligible for them under Public Laws 16 ("Rehabilitation") or 346 ("G.I. Bill"). On request the Counsellor for Veterans can furnish a brief statement of the necessary procedures required by the Veterans Admini-

stration to receive such benefits. The University has established the Office of Counsellor for Veterans to form a central point for answering inquiries and advising veterans. For matters relating to veterans' affairs and not connected directly with the Medical School or the School of Dental Medicine, the applicant should feel free to write to the Counsellor for Veterans, 2 Weld Hall, Cambridge 38, Massachusetts.

ADMISSION TO ADVANCED STANDING

The third year class is automatically increased by approximately 30, making place for transfer students from other medical schools. Vacancies in the second year class may also be filled by transferring students. No students may transfer to the fourth year class without a special vote of the faculty in each instance.

Students of high scholastic standing will be considered. They must be vouched for as promising by the Dean of the school from which they come and must furnish a certificate of time spent in medical studies at least equal to that spent by the class to which they seek admission. Full credit for work done elsewhere will be allowed as a rule, but in certain cases additional work, especially in laboratory diagnosis and in physical diagnosis, may be required. Ordinarily such requirements can be completed during the summer holiday preceding transfer. All the requirements for the first year class must have been fulfilled by applicants for advanced standing.

Applications may be obtained at the Dean's Office approximately one year prior to the expected date of admission.

GENERAL REGULATIONS

First year students for 1947 register in the amphitheatre in Building C on September 19, 1947 at 9.00 A.M.; for 1948 on September 27, 1948 in Building C.

In order that the time of study shall count as a full year, students of all upper classes must register on Monday, the first day of the session.

A fee of \$10 is charged for late registration.

For special and approved purposes students may be allowed to take a portion of their work elsewhere than at the Harvard Medical School, provided the application be approved by the Dean in consultation with the Administrative Board and the head of the department concerned, and provided the student passes an examination on this work after its completion, conducted by a member of the Faculty of the Harvard Medical School.

EXAMINATIONS AND PROMOTION

Promotion from one class to another is dependent upon the satisfactory completion of the work of each year. Grades will be given in each course based upon examinations or other tests as determined by each department.

Grading is on the scale of A, B, C, D and E (E denoting failure), but aside from partial tests during the course, no marks may be given to the student until after the Promotion Board has acted and then only as Satisfactory, D, or Failure. Men who receive a grade other than Satisfactory will be notified. Final grades will be given out only by the Dean or the Assistant Dean.

Grades are averaged on the basis that A=100, B=200, C=300, D=500 and E=800, and since the time devoted to courses varies, grade averages will take into account the time assigned to courses, giving them computation values as follows:

First Year: Anatomy 5; Histology 5; Physiology 5; Biological Chemistry 5.

Second Year: Pathology 6; Bacteriology 4; Pharmacology 4; Medicine 4; Surgery 2.

Third Year: Medicine 6; Surgery 6; Pediatrics 3; Obstetrics 3; Preventive Medicine 2.

Fourth Year: Proportional to month's work.

Only the originally assigned grade is used in computing the average, but in case a student has been set back a year, the grades of both years shall form the basis of computation.

Promotion Boards:

Promotion Boards have been appointed for the first, second and third years to review the work of the student at the end of the year or, at their option, at other times. The membership of these boards respectively consists of one voting representative from each department whose grading, as noted above, affects the student's grade average and one member from the Committee on Examinations.

It is the duty of the Promotion Board to promote those qualified, to warn students whose work is of low grade — in certain cases requiring that these students be set back a year — and to recommend that unpromising students withdraw from the School.

An appeal either directly or indirectly from the Board's action at any time to an individual member of the Faculty will automatically make the Board's action irrevocable; but an opportunity will be given to students to appear for a hearing either at a special meeting held within two weeks after the Board's action, or at the next annual meeting of the Board. The Board will then take final action from which an appeal cannot be taken. Applications for a hearing should be sent to the Chairman of the Promotion Board, Harvard Medical School.

General Examination:

A committee will give a General Examination to each candidate for the degree of M.D., and will assign him a final mark. It will recommend to the Faculty those who pass and are otherwise qualified for the degree and for

honors. The conditions under which a student may take a General Examination and the character and conduct of the examination will be determined by the Committee subject only to rules of the Faculty.

Rules governing promotion:

1. The Faculty reserves the right to require the withdrawal of any student at any time when, in the opinion of his instructors, it is manifest that he is incompetent, or for any reason is unfit to continue his course.

2. Work in a course may be regarded as incomplete at the option of a department, and will be considered only indirectly in the action of the Promotion Board.

3. A student with a grade averaging, for the year, from D (500) to E (800) shall withdraw from the School.

4. A student whose grade averages from C- (400) to D (500) shall be warned. At the Board's discretion and especially if his grade average approaches D, the student may be asked to withdraw or he may be set back a year.

5. A student who is set back a year must repeat at least two assigned subjects and then he shall not be promoted unless he obtains an honor grade in at least one of these subjects.

6. A warned student must attain a grade average higher than in his previous year, failing which, he must be set back a year, or, at the Board's discretion, he may be required to withdraw from the School.

7. A student failing in any course and yet permitted to advance with his class shall not be promoted a second time nor may he be allowed to take the General Examination until that failure is removed.

8. A student failing any course shall have an opportunity for re-examination only at a time set by the Promotion Board or with a succeeding class or section. This rule shall not prevent a special examination for students who have been required to withdraw by the Promotion Boards.

9. A student becomes eligible to take a General Examination on successfully completing seven-eighths of his fourth year work. He may not anticipate the General Examination ahead of his class.

10. A student who fails three General Examinations shall be debarred from further attempts.

WITHDRAWAL FROM THE SCHOOL

A student may withdraw from the School, upon application to an Assistant Dean. *Application for reinstatement must be made at least four months prior to the date of readmission and for favorable action must be approved by the Promotion Board. After two years, favorable action will not usually be taken.*

DEGREES**DEGREE OF DOCTOR OF MEDICINE**

Every candidate for the degree of *Doctor of Medicine* at this University must be at least twenty-one years of age, and of good moral character. He must have fulfilled all the requirements for admission to this Medical School; give evidence of having studied in a recognized medical school at least four full years, of which one year must be spent in the regular fourth year course of this School; have passed all the required examinations; have dissected the three parts of the body to the satisfaction of the demonstrator; have taken charge of and reported on twelve cases in Obstetrics under supervision and instruction; and furnish evidence of having engaged in the practical exercises in Medicine and Surgery.

The degree of Doctor of Medicine *cum laude*, *magna cum laude*, or *summa cum laude* may be given to students of highest rating in the class, on recommendation of the Committee on Examinations.

Every candidate for the degree of M.D. must make application for it in writing on blanks furnished at the Dean's office, on a date to be announced.

HIGHER DEGREES IN THE MEDICAL SCIENCES

The degrees Master of Arts, Doctor of Philosophy, and Doctor of Medical Sciences have been established for advanced work in some special field in the medical sciences. The first two degrees are voted by the Faculty of Arts and Sciences upon the recommendation of a Committee consisting of members of the Faculties of Medicine and of Arts and Sciences. The degree of Doctor of Medical Sciences is administered by the above Committee, excepting the members from Harvard College, and the degree is voted by the Medical Faculty. All candidates for these degrees must hold a degree in Arts or in Sciences from an approved college. These degrees are not awarded for mere reason of faithful study for a prescribed time, but primarily for high attainment in a selected science.

MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Candidates for the degree of *Master of Arts* must register in the Graduate School of Arts and Sciences, and pursue an approved course of study in medical science for at least one year which must be spent in residence.

Candidates for the degree of *Doctor of Philosophy* must fulfil certain preliminary requirements described in the general University Catalogue, must devote to approved advanced studies not less than two years — at least one of which must be spent in residence at this University — and must pass general examinations and present an account of original work in an accepted thesis, before being granted the degree.

DOCTOR OF MEDICAL SCIENCES

Candidates for this degree must matriculate as medical students and complete with an honor grade the regular elementary courses offered by this School in anatomy, histology and embryology, physiology, biological chemistry, bacteriology, pathology, pharmacology, and clinical pathology, together with such other subjects as may be recommended by the Committee. In addition all candidates are required to have a reading knowledge of French and German. Ordinarily this preparatory training will be equivalent to the first two years of the course of study leading to the degree of M.D. Students who have completed all or a portion of this work in other approved medical schools may be admitted to candidacy upon presenting evidence that they have passed the above subjects or their equivalents with an honor grade, and upon passing the general examination described below.

Following the completion of this preliminary training the student shall devote himself for not less than two years to the intensive study of one of the fundamental medical sciences and to the preparation of a thesis. The thesis must show an original treatment of a fitting subject and give evidence of independent research.

There shall be two examinations for every candidate for this degree: a general examination, before entering upon the work of the last two years, covering the elementary medical sciences listed above; and a final examination, upon acceptance of the thesis, covering the particular medical science chosen as a special field.

The fees for the first two years are the same as for medical students.

Further information concerning the higher degrees may be secured from Dr. J. HOWARD MUELLER, Secretary of the Division of Medical Sciences, Harvard Medical School.

STUDENT EMPLOYMENT

The Dean's Office makes every effort to assist students in obtaining part-time work during the college year and full-time work during the summer vacation. The service is furnished without cost either to the student or to the employer. It is recommended, however, unless a student sees reasonably clearly how he will meet the expenses of at least the first year in the School, that he postpone his entrance until he can save enough money to get started without having ahead of him oppressive financial worry.

Only a limited amount of outside work can be done without being a tax on the student's health and scholarship.

MICROSCOPES

The School for many years has required that each student own his microscope and haemocytometer. It urges each student to secure a standard student microscope, preferably less than twenty years old, with two oculars and

three objectives including an oil immersion lens. A mechanical stage is not essential. A few microscopes are available for rental each year through the Dean's Office to students unable to provide their own microscopes.

FEES AND EXPENSES

An estimate of total yearly expenses shows that the average cost of the school year is \$~~1,800~~^{2,200} for each academic year. This estimate includes tuition, medical and infirmary fee, board and room, books, laundry and incidentals.

The fees are: — For matriculation, \$5; for medical and infirmary fee, \$30 for each year; for instruction (including laboratory charges except breakage, damage and loss of apparatus), \$580 for each year. \$~~800~~⁸⁰⁰.

The term-bills are issued approximately every two months.

Bills for miscellaneous charges will be rendered at the time the indebtedness is incurred.

All indebtedness to the University must be paid by all candidates for degrees at least one day before Commencement.

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted.

The term-bills are sent to the student at his college address unless the Bursar is requested in writing to send them elsewhere.

When a student's connection with the University is severed, all charges against him must be paid at once.

A deposit of \$50 is required of every new student who accepts a place in the Medical School; this sum to be applied on his first term-bill or to be forfeited if the student does not register.

Any student whose indebtedness to the University remains unpaid on the date fixed for payment is deprived of the privileges of the University until he is reinstated. Reinstatement is obtained only by consent of the Dean of the Department in which the student is enrolled, after payment of all indebtedness. A fee of \$10 is automatically added to all bills which are unpaid by the due date. *Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School, and have subsequently received their bond from the Bursar.*

DORMITORY

Vanderbilt Hall, the Medical School dormitory, has accommodations for 325 male students. The majority of the rooms are designed for one occupant. Many of the rooms communicate directly with the adjacent room, and there are also a number of suites for two or more persons. The price of rooms ranges from \$180 to \$360 per person for the academic year of thirty-six

weeks. Application forms for rooms in Vanderbilt Hall will be sent to all new students approximately two months before registration day. The date on which they must be returned in order to be included in the drawing will be announced at that time. Students are permitted to reengage their rooms for the following year by signing lease cards at the Dean's Office. The dormitory has squash courts and a gymnasium which are open to members of the teaching staff and students of the Medical School. In addition the School owns four tennis courts and has an outside exercise field. There is a parking lot for automobiles behind the hall which is owned by the School. No charge is made for this facility and the School assumes no responsibility for loss or damage to automobiles or other property left in the lot.

The dormitory contains a large dining hall which is available for all members of the Medical School. Meals are served at reasonable prices.

BOND REQUIRED OF STUDENTS

On his entrance to the School every student is required to file with the Bursar a bond in the sum of \$500 as security for payment of University bills. The bond must be signed by two bondsmen, both of whom must be citizens of the United States, or by a surety company duly qualified to do business in Massachusetts.

No officer or student of the University will be accepted as a bondsman and in no case will more than one parent be accepted as a bondsman. In lieu of the bond a student may deposit with the Bursar five hundred dollars in United States government coupon bonds, or five hundred dollars in cash which will bear no interest.

MEDICAL ATTENDANCE

A medical adviser who is a member of the University Department of Hygiene may be seen in his office in Building A, Harvard Medical School, from 8.15 A.M. to 9.00 A.M. and 4.00 P.M. to 5.30 P.M. on weekdays. On Saturdays and holidays, he will be available between 9.00 A.M. and 10.00 A.M. He may also be seen at other times by appointment and can be reached at any time in case of emergency.

A complete medical examination of each new student will be made at the beginning of the school year. The University maintains an infirmary in Cambridge which is available to medical students. For more serious cases, the teaching hospitals associated with Harvard Medical School are utilized.

For information regarding the payment of medical and infirmary fees, the civilian student may consult the University catalogue.

A certificate of vaccination is required of each student before registration.

Any illness necessitating absence from work must be reported to the medical adviser.

FELLOWSHIPS AND SCHOLARSHIPS

FELLOWSHIPS

The amount of the stipend of the Fellowships and Scholarships is approximate only and contingent upon the income of the University.

Students who marry while on a fellowship will forfeit the fellowship unless at the time of their application they have notified the Committee of their intention to marry.

EDWARD HICKLING BRADFORD (1918). Anonymous. To be used for medical research or instruction separately or in connection with any other foundation, in such manner as may be prescribed. \$1,300

JOHN WHITE BROWNE (1918). Mrs. Francis B. Greene. For a young man of unusual promise to pursue research investigations for one year at the Harvard Medical School or elsewhere. \$1,100

BULLARD (1891). William Story Bullard, in memory of three physicians "distinguished for their honorable personal character and their professional services in this community":

GEORGE CHEYNE SHATTUCK MEMORIAL	\$350
JOHN WARE MEMORIAL	350
CHARLES ELIOT WARE MEMORIAL	350

Any one or all of these fellowships may be paid to any student or member of the medical profession appointed to make such original investigations in Medical Science as will be most useful to the profession and to the community. The results of these investigations shall not, however, be published as a research performed under the grant of a Bullard Fellowship, unless the work shall have received the approval of the Committee.

Holders of the fellowships must do throughout the academic year the equivalent of at least ten hours' work a week and make a report thereon.

ARTHUR TRACY CABOT (1913). Dr. and Mrs. Frederick Cheever Shattuck. In memory of Arthur Tracy Cabot, A.B. 1872, M.D. 1876. For students of surgery. Ordinarily the incumbent may not engage in active practice, but is to devote himself to the advancement of surgery in the United States or elsewhere. Nomination to this fellowship is by preference to be made by the Moseley Professor of Surgery. \$1,300

JAMES JACKSON CABOT (1906). Arthur T. Cabot, Samuel Cabot, and Guy C. Cabot. Income to be used to "aid and encourage practical work in scientific medicine." \$600

WALTER BRADFORD CANNON (1945). Mr. Joseph F. and Mrs. Clara Ford. A fellowship in Physiology.

HAROLD C. ERNST MEMORIAL FUND (1938). Mrs. Ellen L. Ernst. A scholarship or fellowship in the Department of Bacteriology. \$2,500

CHARLES FOLLEN FOLSOM (1908). Founded by more than sixty persons in memory of Charles Follen Folsom, A.B. 1862, M.D. 1870. A Teaching Fellowship in Hygiene or in Mental and Nervous Diseases. For the present assigned to the Department of Neuropathology. \$750

LOUIS W. GILBERT (1943). S. Louise Gilbert. Income to be used for the study of chronic diseases. \$1,400

LOUIS E. KIRSTEIN (1937). Friends of Louis E. Kirstein. For the promotion of scientific medical education. \$1,700

WILLIAM O. MOSELEY, JR., TRAVELLING FELLOWSHIPS (1912). Mrs. William O. Moseley. For students who have attended the School for three or four years, to enable them to continue the study of medicine in Europe. Either two or three fellowships will be awarded. \$3,500

FRANCIS WELD PEABODY MEMORIAL (1929). To be awarded on the recommendation of the Dean and full professors of Medicine in charge of the clinics of the Boston City Hospital, the Massachusetts General Hospital, and the Peter Bent Brigham Hospital, to properly qualified graduates of medical schools to enable them to devote further time to intensive clinical and laboratory studies. \$2,800

JEFFREY RICHARDSON (1933). William Lambert Richardson, A.B. 1864, M.D. 1867. To be awarded each year to some deserving student, upon his graduation from the Harvard Medical School, who desires to continue his studies either here or abroad. \$1,800

HENRY P. WALCOTT (1910). Dr. Frederick Cheever Shattuck. For a Fellow in Clinical Medicine appointed on nomination by the Jackson Professor of Clinical Medicine. The recipient shall not engage in private practice but must devote his time to teaching and clinical research. \$1,800

HENRY E. WARREN FELLOWSHIP (1941). Candidates should preferably have completed several years of post-graduate study in clinical medicine or surgery. The nomination to this Fellowship shall be made by the Moseley Professor of Surgery. \$1,800

WHITMAN (1933). Mrs. Bernard C. Whitman, in memory of her husband Bernard C. Whitman, A.B. 1846, and of her son Crosby C. Whitman, A.B. 1886. Available for a graduate of Harvard Medical School pursuing the study of medicine or surgery at the École de Médecine de Paris. \$450

WILLIAM HUNTER WORKMAN (1925). William Hunter Workman, M.D. 1873. To enable one or more graduates of the Harvard Medical School to pursue postgraduate studies in medicine in this country or abroad. In exceptional cases, fourth year students will be eligible. \$1,200

SCHOLARSHIPS

HARVARD MEDICAL SCHOOL NATIONAL SCHOLARSHIPS

In order to make it possible for young men of outstanding ability and promise to come to the Harvard Medical School, two or three Harvard Medical School National Scholarships will be offered to incoming members of the first year class. These scholarships will carry a stipend sufficiently large, if necessary, to meet all the student's essential expenses. Successful applicants who maintain a high honor record at the Medical School will continue to hold these scholarships throughout the Medical School course.

The offer of these scholarships is made possible by gifts from Mr. Edward S. Harkness, Dr. Daniel F. Jones, and Dr. Franklin S. Newell. The donors expressed the hope that through these scholarships superior men who could otherwise not receive a medical education would be enabled to attend the Harvard Medical School. They also expressed the hope that some of these men might wish to return to their own communities to carry on the practice of medicine.

Direct application for these scholarships cannot be made since all accepted first year students are considered as candidates, the awards being made without reference to financial circumstances. The stipend will vary however from \$100 to \$1,400 depending on the resources of the recipient.

GENERAL SCHOLARSHIPS

The following scholarships are open to students who have been admitted to the School at the time of application. Approximately \$15,000 is available annually from the general scholarship funds.

The Cheever, Greene, Haven, and Mears Scholarships are awarded to students of the first year class. The Hayden and Webster Scholarships may be so awarded. All the other scholarships are awarded to members of the three upper classes.

Scholarships and gratuities are awarded to such men among those applying for and needing assistance as give evidence of having done the best work in this School.

Information with regard to all forms of pecuniary aid may be obtained from the Dean's Office. Students requiring aid should visit the Dean's Office as soon as possible after matriculation to discuss their financial needs.

AESCULAPIAN CLUB (1938). To be used for loans or scholarships.

EDWARD DANA BARBOUR FUND (1928). For promoting medical education in China, preference to students coming from Shanghai or its environs.

EDWARD M. BARRINGER FUND (1880). Edward M. Barringer. For the maintenance of two scholarships for students in the Harvard Medical School.

Awarded to deserving students, preference being given to those of the fourth year class.

EDWARD M. BARRINGER No. 1

EDWARD M. BARRINGER No. 2

GORDON BARTLETT (1919). Mr. and Mrs. Donald Gordon, in memory of their nephew, Gordon Bartlett, a student at Dartmouth College who died of wounds at St. Mihiel while serving in the Seventeenth Field Artillery. Preference is given to graduates of Dartmouth College. This scholarship will ordinarily be divided between two men.

MATTHEW AND MARY E. BARTLETT (1916). Miss Fannie Bartlett, in memory of Matthew and Mary E. Bartlett. For the benefit of a worthy and meritorious student who is in need of financial assistance.

LUCIUS F. BILLINGS (1900). Lucius F. Billings. May be divided between two or more students.

HENRY FASSETT CASTLE (1941). William E. Castle, A.B. 1893, A.M. 1894, PH.D. 1895, as a memorial to his son, Henry Fassett Castle, who died in November, 1919, at the age of 19, having completed the previous June the work of the first year in the Medical School.

DAVID WILLIAMS CHEEVER (1889). David Williams Cheever, A.B. 1852, M.D. 1858, LL.D. For a first year student after three months' study in the Medical School.

COTTING GIFT (1900). Benjamin E. Cotting, A.B. 1834, M.D. 1837. Awarded on the basis of pecuniary need, intellectual capacity, faithfulness and earnest endeavor.

ORLANDO W. DOE (1893). Orlando Witherspoon Doe, A.B. 1865, M.D. 1869. To be given annually to a deserving student in the Medical department.

GEORGE RUSSELL EAGER (1936). Miss Mabel T. Eager, in memory of her father.

HENRY EHRLICH MEMORIAL (1927). Friends and family of Henry Ehrlich, M.D. 1886. To be used for the assistance of needy and worthy students regardless of creed or color.

HORACE PUTNAM FARNHAM (1918). Mrs. Eliza Cary Farnham in memory of her husband, Dr. Horace Putnam Farnham, A.B. 1843. For the benefit of meritorious students in the Harvard Medical School.

JAMES GOLDTHWAITE FREEMAN (1925). Caroline S. Freeman. For the assistance of meritorious and deserving medical students.

DR. E. PEABODY GERRY (1943). The income to aid first year students.

CHARLOTTE GREENE (1925). Edwin Farnham Greene. For a first year student whose previous record indicates special promise.

DR. C. EUGENE GUNTHER (1933). Mrs. C. Eugene Gunther in memory of her husband. To be used to maintain two scholarships for the benefit of deserving medical students.

GEORGE HAVEN (1913). George Haven, M.D. 1883. To be used annually for scholarships for students of the first year in the Medical School.

LEWIS AND HARRIET HAYDEN (1894). Mrs. Harriet Hayden. For colored students. The income may be divided. If not awarded in the Medical School, the School of Public Health, or the School of Dental Medicine, it is open to colored students in any other department of the University.

HILTON SCHOLARSHIP (1897). William Hilton.

WILLIAM OTIS JOHNSON (1912). Mrs. William O. Johnson, in memory of her husband, William Otis Johnson, A.B. 1845, M.D. 1848.

CLAUDIUS M. JONES (1893). Claudius Marcellus Jones, A.B. 1866, M.D. 1875.

ALFRED HOSMER LINDER (1895). Mrs. George Linder. For a student of sound principles and marked ability.

JAMES EWING MEARS, M.D. (1920). J. Ewing Mears. For a student throughout the full course of four years, subject to his scholastic standing and good conduct.

JOSEPH PEARSON OLIVER (1904). Patients of Joseph Pearson Oliver, M.D. 1871. To be awarded to a needy and deserving student of the Medical School.

CHARLES B. PORTER (1897). William L. Chase.

FLAVIUS SEARLE (1921). Miss Mary L. Searle, in memory of her father, Dr. Flavius Searle. The stipend may be divided.

JOSEPH J. SILBERT (1937). For scholarship or loans to needy students.

FRANCIS SKINNER (1905). Francis Skinner, Esq. To be used in small sums to meet the urgent needs of meritorious students in the payment of term-bills or other expenses.

CHARLES PRATT STRONG (1894). Friends and patients of the late Charles Pratt Strong, A.B. 1876, M.D. 1881.

ISAAC SWEETSER (1892). Mrs. Anne M. Sweetser. To be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession."

JOHN THOMSON TAYLOR (1899). Mrs. Frederic D. Philips, in memory of her brother, John Thomson Taylor. To be paid to some meritorious under-

graduate of the Medical School without regard to his pecuniary circumstances.

WALKER SCHOLARSHIPS (1922). Miss Leslie Walton Walker, four scholarships.

DR. CHARLES WALKER

HELEN L. WALKER

ANNA G. WALKER

LESLIE W. WALKER

ABRAHAM A. WATSON (1923). Miss Catherine E. Walker. For the benefit of students in the Medical School.

EDWARD WIGGLESWORTH (1897). The family of Edward Wigglesworth, A.B. 1861, M.D. 1865.

SCHOOL OF DENTAL MEDICINE SCHOLARSHIPS

THE ALFORD FUND (1785). Mrs. Joanna Alford. "To be used for scholarships for those students who are under low and indigent circumstances."

DWIGHT M. CLAPP (1926). Clara Josephine Clapp in memory of her husband, Dwight M. Clapp, D.M.D. 1882. For the education of a male student born in Massachusetts, preferably one who has a college education or training of a classical character.

DENTAL SCHOOL ALUMNI (1937). A general scholarship after the income has reached \$100 annually.

THOMAS ALEXANDER FORSYTH (1929). Thomas Alexander Forsyth. Continuous scholarship to two deserving men who have passed the scholarship requirements.

EUGENE HANES SMITH (1920). Alumni Association. To be awarded to a third or fourth year student who has been a student in regular standing during the first and second years.

PETER E. STRAUSS (1922). Emily R. M. Strauss. In memory of her husband.

PRIZES

ISAAC ADLER (1934). Frida Adler. To be awarded once in three years for the best piece of original research within that period in the United States or Canada on any subject within the medical or allied sciences.

HENRY ASBURY CHRISTIAN (1937). Dr. Samuel A. Levine. To be awarded annually on or about the seventeenth of February, which is Dr. Christian's birthday, to the student in the Fourth Year Class who has displayed diligence and notable scholarship in his studies and offers promise for the future. \$100

FELLOWSHIPS AND SCHOLARSHIPS AVAILABLE IN OTHER DEPARTMENTS OF THE
UNIVERSITY AS WELL AS IN THE MEDICAL SCHOOL AND SCHOOL OF
DENTAL MEDICINE

Unless otherwise stated, applications should be made, before *February 10*, to the Deans of the Medical School and School of Dental Medicine.

ELLEN S. BATES (1929).

BAXENDALE (1928). Preference: (1) descendants of Alan Bedford Hudson; (2) students of the name of Baxendale or Hudson; (3) students from the City of Brockton, Mass., or from the Town of Bourne, Mass.

BRIGHT (1880). For descendants of Henry Bright, Jr., of Watertown, Mass., who bear the name of Bright.

DANIEL A. BUCKLEY (1905). For graduates of Cambridge public schools.

GEORGE CHASE CHRISTIAN MEMORIAL SCHOLARSHIPS (1936). To be awarded as National Scholarships to residents of Minnesota.

CHARLES DOWNER SCHOLARSHIP (1927). (1) to descendants of Joseph and Robert Downer, of Wiltshire, England, who came to America at about the year 1650. (2) To those of English or Anglo-Saxon stock, bearing the surname of Downer by right of birth or inheritance. If the income from the fund is not in this manner wholly used, awards to students may be made to:

- (1) Descendants of members of the Class of 1889.
- (2) Those whose homes are in the State of Vermont.
- (3) Descendants of graduates of Harvard College.
- (4) Those "of that old Anglo-Saxon stock which has gone forth from New England into all parts of the U. S. and has been the means of giving strength and stability and character to our government."

JOSEPH EVELETH (1896). Joseph Eveleth. To aid students in Harvard College or any of the schools connected therewith.

CHARLES W. HOLTZER (1929). For students of German birth who have received their preliminary education in German institutions of learning.

HENRY BARTON JACOBS (1940). Preference: students from Maryland.

LINCOLN (1876). Preference: students from Lincoln, Mass.

JOHN PARKER (1873).

FREDERICK E. PARLIN (1928). Preference: natives of Malden or Everett, Mass.

ARISTIDES EVANGELUS PHOUTRIDES (1925). For students of Greek birth or of Greek parentage.

PRINCETON (1910). Preference: a graduate of Princeton University. Appli-

cation should be made to the Dean of the Graduate School of Princeton University before February 10.

LEON W. REDPATH (1938). For deserving students from the State of Ohio. Preference: students from Stark and Tuscarawas Counties.

JAMES A. RUMRILL (1909). For a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee, or Kentucky. The selection to be made on the advice of the President and Faculty of the institution from which the student comes.

FREDERICK SHELDON (1909). Awarded as travelling fellowships to students in the University who are holders of a Harvard degree. Application must be made before February 1. About ten fellowships are awarded, the maximum amount being \$1,500.

SAMUEL SKINNER (1940). Recipients nominated by the testator's nephew, George T. Hunter. Preference: applicants from Chattanooga, Tennessee.

STOUGHTON (1701). Preference: (1) students from Dorchester, Mass.; (2) students from Milton, Mass.

ANNA VAUGHAN FOUNDATION (1935).

1902 WORLD WAR MEMORIAL (1923). Preference: (1) sons of 1902 men killed in World War I; (2) descendants of the Members of the Class of 1902.

JEFFRIES WYMAN (1924). To one, two, or more students who have given promise of success in some branch of biological research.

LOAN FUNDS

Apply at Dean's Office

Funds have been established to which students who are in need of money may make applications for loans.

Application for loans should be made within two weeks of registration. In case of unforeseen emergency loans may be made at any time. Loans are made to meet term-bills and cash is provided rarely. Amounts up to \$600 may be loaned to a student during any one year, and up to a total of \$1,500 during the total four academic years. Notes are payable two years after graduation and 4½% interest is charged.

Loans will be made to students in the second, third, and fourth year classes whose records have been sufficiently creditable to make it probable that they will remain in the School and whose other financial obligations do not make it improbable that this loan will be repaid. Recent matriculants may apply for loans only in their second half-year and then only in case of unanticipated financial difficulty.

MEDICAL SCHOOL

DAVID L. EDSALL REVOLVING LOAN FUND (1927). Dr. Frederick C. Shattuck established this fund by gift of \$100,000 to be used as a revolving loan fund. The notes are payable two years after graduation or earlier.

CHARLES WILLIAM ELIOT LOAN FUND (1924). Given anonymously in honor of PRESIDENT ELIOT. Principal and interest to be used for loans to students in the Medical School.

LOAN FUND OF THE MEDICAL CLASS OF 1879. To be used as a loan fund to aid any student or students in the Medical School. Assigned at the request of the Class, or, in the absence of such request, by the Faculty of Medicine.

SCHOOL OF DENTAL MEDICINE

CHRISTIAN SOLDIER LOAN FUND (1924). Established by Miss Caroline F. Anderson for the benefit of needy and deserving students.

DENTAL ALUMNI LOAN FUND. Dental Alumni Association and Classes of 1900, 1901, 1902, 1904, 1905, 1906 and 1908. To aid any deserving students who require financial assistance.

LUCINDA DAVIS FERNALD FUND (1936). Established by Dr. Adelbert Fernald for the benefit of deserving New England born students of good character.

ROBERT T. MOFFATT FUND. Given by Dr. Robert T. Moffatt for the benefit of deserving students in need of financial aid.

LECTURESHIPS

The Edward K. Dunham Lectures for the promotion of the medical sciences have been given annually since 1923 by eminent investigators and teachers in one of the branches of the medical sciences or of the basic sciences which contribute toward the advance of medical science in the broadest sense. The lectures are open to the Faculty and students of the Harvard Medical School and College and all other interested professional persons. The lectures are given under the fund established for that purpose by Mary Dows Dunham in memory of her husband, Dr. Edward K. Dunham.

The George W. Gay Lectures upon Medical Ethics are given annually at the Harvard Medical School. The fund for the establishment of these lectures was given in 1917 by Dr. George W. Gay.

THE CANCER COMMISSION OF HARVARD UNIVERSITY

Under the will of the late Mrs. Caroline Brewer Croft a sum of money was received in 1899 for the investigation of the cause and treatment of cancer.

Since that time other sums have been contributed for cancer research and the Cancer Commission of Harvard University has been organized. Dean C. Sidney Burwell is Chairman of the Commission. The Commission supports the Huntington Hospital beds, out-patient department, and cancer research laboratories at the Massachusetts General Hospital. It provides a service for pathological examination and diagnosis of tumor tissue for the State of Massachusetts at the Harvard Medical School, and also makes grants in aid to various departments of the University carrying on investigation on the cancer problem.

PROCTOR FUND

A bequest of fifty thousand dollars by Ellen Osborne Proctor, for the purpose of promoting the study of chronic diseases, subsequently has been increased by an additional fifty thousand dollars from another member of the Proctor family. The income of this fund is to be devoted to investigations into the nature and treatment of chronic diseases and the care of persons afflicted with these diseases while in hospitals for such investigations. The special disposition of the income of this fund is under the control of a committee composed of the professors of Theory and Practice of Physic, Clinical Medicine, and Pathology. George W. Thorn, M.D., is Chairman of the Proctor Fund Committee. Applications for grants should be sent to the Chairman, preferably on May 1st of each year.

WILLIAM W. WELLINGTON FUND

In 1925 a bequest was received from William H. Wellington to establish the "William W. Wellington Memorial Research Fund." The income of this fund is to be applied for research concerning the etiology and therapeutics of the diseases of man, and is to be administered by a Committee composed of the heads of the departments of Pathology, Medicine, and Pharmacology. S. Burt Wolbach, M.D., was the Chairman for 1946-7, and Dr. J. Howard Means is the Chairman for 1947-8.

COURSES FOR GRADUATES

The object of this division of the Medical School is to offer to graduates in Medicine opportunities to continue their studies in a thorough and scientific manner.

For information concerning courses offered the *Catalogue of Courses for Graduates* should be consulted.

Facilities at the Harvard Medical School and the abundant clinical opportunities in the various hospitals are available for graduate instruction. Eugene C. Eppinger, M.D., Assistant Dean, is in charge.

SCHOOL OF PUBLIC HEALTH

The primary purpose of the School is to provide a better understanding of the nature and broad significance of epidemiology, sanitation, vital biostatistics and public health administration, and of the specialties within those four fields, so that students may prepare themselves for careers as public health administrators, teachers in professional schools, directors of research, or as specialists in such fields as maternal and child health, industrial health, nutrition and biostatistics and epidemiology. The courses offered aim to train the student for leadership in the public health field. Opportunities are also given to students to pursue research in public health.

Courses may be taken singly by arrangement with the head of the department concerned. For further information, apply to the Secretary.

TUTORIAL SYSTEM

The tutorial system in the Medical School makes it possible for students properly qualified to do extracurricular work throughout their four years in medical school.

Students who because of previous training have a special interest in the medical sciences are encouraged to devote the spare time afforded by the two free afternoons to intensive work on a well defined problem. First year students should consult the first year tutor in order that he may place them in contact with the member of the Faculty best fitted for their particular needs. This arrangement makes it possible for a student to continue in extracurricular work along some one line under the direction of a faculty member throughout his first three years in medical school. In the fourth year, the Faculty permits those men who have shown suitable qualities for this type of extracurricular work to devote a considerable portion of their time to a specific problem in one of the basic medical sciences or major divisions of medicine. Their past medical school records must demonstrate that their regular curricular work will not be impaired if they undertake such extracurricular studies. Not more than fifteen per cent of the class is allowed this privilege. Men desiring this opportunity should apply to the tutorial board, stating their plan of work and that it meets with the approval of the tutor and of the man under whose guidance the actual work will be done. Applications for such tutorial work should be made in the third year.

DIVISION OF STUDIES
TOTAL NUMBER OF HOURS FOR EACH SUBJECT

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Anatomy 280	Bacteriology 144	Medicine 213	Medicine * 432
Histology 280	Pathology 335	Dermatology 37	Surgery * 288
Physiology 256	Pharmacology 160	Neurology 31	Obstetrics 144
Biochemistry 232	Medicine 236	Psychiatry 48	Pediatrics 144
Medical Psychology 10	Surgery 75	Ophthalmology 31	Elective 144
	Obstetrics 12	Surgery 175	
		Gynaecology 33	
		G. U. Surgery 33	
		Laryngology 33	
		Otology 32	
		Orthopaed. Surgery 38	
		Obstetrics 128	
		Legal Medicine 12	
		Pediatrics 68	
		Preventive Medicine 124	

* The time allotment for these two subjects may be reversed at the student's option.

ANNOUNCEMENT OF COURSES *

The "Announcement of Courses" comprises a statement by each department as to its general plan of instruction and its various required exercises, followed by a résumé of the Fourth Year Elective Courses and the Voluntary Courses.

Each student in the fourth year must secure credit for eight one-month courses of 144 hours or their equivalent. Required courses fill seven months' time, leaving one month free for elective work. In the following statements whole courses have a value of 144 hours, half-courses of 72 hours, and quarter-courses of 36 hours.

An opportunity for voluntary work is offered to second and third year students on Tuesday and Thursday afternoons. It is believed that upperclassmen will welcome a chance to keep in touch with the most recent developments in the fundamental sciences; that an interest in certain fundamental subjects will have been aroused by their clinical work; or that they may feel the desire for additional training on some point. Students are not required or even asked to take this work. It is entirely a voluntary matter, and no credit will be given.

There are also opportunities for association with voluntary groups interested in studying the more general aspects of medicine, including the economic, social and historical aspects.

Anatomy

GEORGE B. WISLOCKI, M.D., *Hersey Professor of Anatomy and James Stillman Professor of Comparative Anatomy, and Head of the Department.*

EDWARD W. DEMPSEY, PH.D., *Associate Professor of Anatomy.*

ROBERT M. GREEN, M.D., *Associate Professor of Applied Anatomy.* (Emeritus July 1, 1947.)

ROY O. GREEP, PH.D., *Associate Professor of Dental Science.*

FRANKLIN F. SNYDER, M.D., *Associate Professor of Anatomy and Obstetrics.*

ALLAN L. GRAFFLIN, M.D., *Assistant Professor of Anatomy.* (Resigned Sept. 3, 1946.)

HAROLD L. WEATHERFORD, PH.D., *Assistant Professor of Anatomy.*

* Abbreviations used in the following pages, and in the tabular views:

B.C.H. = Boston City Hospital.	I.H. = Infant's Hospital (Rotch Memorial).
B.I.H. = Beth Israel Hospital.	M.C.S. = Middlesex County Sanatorium.
B.L.I.H. = Boston Lying-in Hospital.	M.E.E.I. = Massachusetts Eye and Ear Infirmary.
B.P.H. = Boston Psychopathic Hospital.	M.G.H. = Massachusetts General Hospital.
C.H. = Children's Hospital.	N.E.D.H. = New England Deaconess Hospital.
F.H.W. = Free Hospital for Women.	P.B.B.H. = Peter Bent Brigham Hospital.
H.G.S. = House of the Good Samaritan.	S.D.M. = School of Dental Medicine.
H.M.S. = Harvard Medical School.	S.P.H. = School of Public Health.
H.M.H. = Haynes Memorial Hospital.	

Special pamphlets are issued describing the opportunities for elective and voluntary work and outlining the conditions under which such work may be undertaken.

- H. STANLEY BENNETT, M.D., *Associate in Anatomy and Instructor in Pharmacology.* (1946-47)
- MARCUS SINGER, PH.D., *Associate in Anatomy.*
- EDWARD A. EDWARDS, M.D., *Instructor in Anatomy.*
- GEORGE E. ERIKSON, B.S., *Instructor in Anatomy.*
- DON W. FAWCETT, M.D., *Instructor in Anatomy.*
- JOHN G. KUHN, M.D., *Instructor in Anatomy and Orthopaedic Surgery.*
- JOHANNES P. KULKA, M.D., *Instructor in Anatomy.*
- HELEN D. MARKHAM, PH.D., *Instructor in Anatomy.*
- HOWARD A. HOFFMAN, M.D., *Assistant in Anatomy.* (1946-47)
- JAMES R. LINCOLN, M.D., *Assistant in Anatomy.*
- MARVIN M. NACHLAS, M.D., *Assistant in Anatomy.*
- CHARLES M. WALDO, D.D.S., S.M., *Research Associate in Anatomy (1946-47) and Assistant Professor of Orthodontics.*
- HENRY BUNTING, M.D., *Research Fellow in Anatomy.* (1946-47)
- CHARLES P. LYMAN, PH.D., *Research Fellow in Anatomy.*

In the Department of Anatomy, instruction is given in gross human anatomy, histology, neurology, and embryology. Opportunities are also afforded for advanced work and investigation in these subjects.

The department occupies the Morgan Anatomical Building, the dissecting rooms being in the wing designated B I, and the laboratories for histology and embryology in the wing B II. There are separate rooms for fourth year and graduate students and for various kinds of technical work. The class work is carried on by sections in unit rooms, designed to accommodate either twelve or twenty-four students. There is a large library which contains complete files of the most important anatomical and morphological journals, together with many standard works of reference, and in an adjoining room there is a collection of about fifteen thousand pamphlets. A card catalogue and a classified bibliography give ready access to the literature.

The embryological collection is a unique feature of the laboratory. It comprises about twenty-three hundred series of sections of carefully selected vertebrate embryos, and affords therefore opportunities for research in comparative embryology such as cannot be found elsewhere. The collection includes eighty series of sections of human embryos, several of which are of exceptional value, among them being two of the very youngest stages of man yet obtained. The collection of embryological models contains the standard series and many unique original models.

REQUIRED COURSES

ANATOMY A AND B. *First Year.*—The courses of the first year are intended to teach human anatomy, both gross and microscopic, together with the essentials of human embryology and neurology. Half of the time is de-

voted to work in the dissecting room, the other half to work in the histological and embryological laboratories.

In the study of gross anatomy, students make a complete dissection of one half of the human body, and all of the class dissect the same part at the same time. Four students will be assigned to the same subject, and will work together during the course. The study of the skeleton is carried on with the dissection, and each student will be provided with a box of bones which may be kept throughout the course. There will be lectures or demonstrations which are arranged to correspond as closely as possible with the work in the dissecting room. These lectures not only will serve as a guide to the regular work in the dissecting room, but also will be used to emphasize those details of human anatomy which the student cannot easily study for himself in his own dissection. Special dissections made by prosectors from the second year class, frozen sections, and various anatomical specimens and preparations will be displayed each day to illustrate and supplement that part of the subject treated in the lecture, or about to be studied in the dissecting room. Students are urged to examine these specimens carefully, and to discuss them informally with the instructors. Students will be quizzed each week on their work in the laboratory by the instructors in charge of their section.

The part of the course dealing with microscopic anatomy is designed to give the student a familiarity with the normal appearances of cells, tissues and organs. As much as is possible in a brief course, the development of tissues and organs is stressed. Opportunity is also given to some extent for the study of fresh tissues. The use of fresh tissues is intended to acquaint the student with the structure of living cells and with evidence of cellular functions. Demonstrations are given from time to time to present the range of histological technique.

The last five weeks of the course of microscopic anatomy are devoted to the study of the central nervous system. The student is given an opportunity to become familiar with the positions and relations of the principal nuclei and tracts of the nervous system by the study of gross specimens and of serial sections through the brain stem. Emphasis is laid on the anatomico-physiological point of view.

FIRST YEAR

HOURS

Lectures. Drs. WISLOCKI, DEMPSEY, SNYDER, WEATHERFORD, and SINGER. <i>Six lectures a week, first half-year.</i>	96
Demonstrations. <i>To sections of the class, at the pleasure of the instructors.</i>	
Laboratory work. <i>Twenty-nine hours a week, first half-year.</i>	464

FOURTH YEAR ELECTIVE COURSES

1. Surgical Anatomy. Dr. WEATHERFORD and Assistant. Whole course, one month in Fourth Year.

20. Investigation. Drs. WISLOCKI, DEMPSEY, WEATHERFORD, and SINGER. Opportunities are offered for students who wish to do special or advanced work.

VOLUNTARY COURSES

30. Clinical Applied Anatomy. Saturdays, 9 to 10 A.M., first half-year, P.B.B.H. and M.G.H. Open to first year students. (Same course as Surgery 31.)
32. Topographical (Clinical) Anatomy.

Physiology

ALEXANDER FORBES, M.D., *Professor of Physiology.*

EUGENE M. LANDIS, M.D., PH.D., S.M. (hon.), *George Higginson Professor of Physiology and Head of the Department.*

JOHN R. PAPPENHEIMER, PH.D., *Associate in Physiology.*

ROY G. HOSKINS, M.D., *Research Associate in Physiology.* (1946-47)

PAUL O. CHATFIELD, M.D., *Instructor in Physiology.*

JOHN F. PERKINS, JR., M.D., *Instructor in Physiology.* (Resigned August 31, 1947)

WILLIAM P. CHAPMAN, M.D., *Assistant in Physiology and Research Fellow in Psychiatry.*

ARNOLD H. WILLIAMS, M.D., *Assistant in Physiology.* (Resigned April 30, 1947)

RALPH H. KELLOGG, M.D., *Instructor in Physiology.*

MORRIS ABRAMS, M.D., *Research Fellow in Physiology.* (1946-47)

A. CLIFFORD BARGER, M.D., *Research Fellow in Physiology.*

ELLEN BROWN, M.D., *Research Fellow in Physiology* (to September 30, 1946)

ALBERT I. C. DE FRIEZ, M.D., *Research Fellow in Physiology.*

MILTON ELKIN, M.D., *Research Fellow in Physiology.*

WILLIAM F. GREENWOOD, M.D., *Research Fellow in Physiology.* (1946-47)

MAO-CHIH LI, M.B., *Research Fellow in Physiology.*

HERBERT W. PARK, 3D, M.D., *Research Fellow in Physiology.*

GEORGE S. RICHARDSON, M.D., *Research Fellow in Physiology.*

L. HOLLINGSWORTH SMITH, JR., A.B., *Research Fellow in Physiology.* (1946-47)

ARMANDO SOTO-RIVERA, M.D., *Research Fellow in Physiology.*

SIDNEY S. SOBIN, PH.D., M.D., *Research Fellow in Physiology* (to September 30, 1946)

JOSEPH STOKES, 3D, *Research Fellow in Physiology* (to January 31, 1947)

CECIL K. DRINKER, M.D., S.D., A.M. (hon.), *Professor of Physiology.*

ESTHER HARDENBERGH, A.M., *Instructor in Physiology.*

REQUIRED COURSE

PHYSIOLOGY A. *First Year.*—The lectures of this course are designed to acquaint the student with the more fundamental aspects of physiology and to consider in detail those portions of the subject that are essential to an understanding of the phenomena of health and disease in man.

By means of laboratory exercises the student is introduced as rapidly as possible to the observational methods and techniques available for studying function in man. Then equal emphasis is placed upon exercises illustrating in animals the experimental procedures employed for the detailed analysis of function and for the acquisition of a fundamental knowledge of physiology.

Conferences and demonstrations supplement the more formal instruction.

FIRST YEAR

HOURS

Lectures and Laboratory work. Drs. LANDIS, PAPPENHEIMER, CHATFIELD, PERKINS, and KELLOGG. *Three days a week, second half-year.* 256

FOURTH YEAR ELECTIVE COURSE

20. Physiological Investigation. Drs. LANDIS, PAPPENHEIMER, CHATFIELD and PERKINS. Students will not ordinarily be received for less than two months.

Physical Chemistry

EDWIN J. COHN, PH.D., *Professor of Biological Chemistry and Head of the Department.*

JOHN T. EDSALL, M.D., *Associate Professor of Biological Chemistry and Chairman of the Board of Tutors in Biochemical Sciences.*

JOHN L. ONCLEY, PH.D., *Associate Professor of Physical Chemistry.*

*ARTHUR K. SOLOMON, PH.D., *Assistant Professor of Physical Chemistry.*

S. HOWARD ARMSTRONG, JR., M.D., *Associate in Medicine.*

WALTER L. HUGHES, JR., PH.D., *Associate in Physical Chemistry.*

DWIGHT J. MULFORD, PH.D., *Associate in Physical Chemistry and Tutor in Biochemical Sciences.*

LAURENCE E. STRONG, PH.D., *Research Associate in Physical Chemistry.*
(Resigned November 30, 1946.)

DOUGLAS MACN. SURGENOR, S.M., *Research Associate in Physical Chemistry.*

GUSTAVE DEROUAUX, M.D., *Research Fellow in Physical Chemistry.*

HAROLD EDELHOCH, PH.D., *Research Fellow in Physical Chemistry.*

DRUMMOND ELLIS, B.Sc., *Research Fellow in Physical Chemistry.*

GEOFFREY A. GILBERT, PH.D., *Research Fellow in Physical Chemistry.*

(1946-47)

NORMAN R. S. HOLLIES, PH.D., *Research Fellow in Physical Chemistry.*

* Appointment under Committee on Medical Research in Biophysics.

- BERNARD KOECHLIN, S.D., *Research Fellow in Physical Chemistry.*
 JACQUES LEWIN, M.D., *Research Fellow in Physical Chemistry.*
 CHUN-HSIANG LIU, M.D., *Research Fellow in Physical Chemistry.*
 RENÉ A. S. M. LONTIE, S.D., *Research Fellow in Physical Chemistry.*
 MARSHALL MELIN, S.B., *Research Fellow in Physical Chemistry.* (1946-47)
 DORA G. MITTELMAN, PH.D., *Research Fellow in Physical Chemistry*
 (1946-47)
 NAUM MITTELMAN, PH.D., *Research Fellow in Physical Chemistry.* (1946-47)
 ROBERT F. MOUTON, S.D., *Research Fellow in Physical Chemistry.*
 HANS NITSCHMANN, PH.D., *Research Fellow in Physical Chemistry.*
 BO NORBERG, M.D., *Research Fellow in Physical Chemistry.* (Resigned
 April 7, 1947)
 HAROLD A. SCHERAGA, A.M., *Research Fellow in Physical Chemistry.*
 CHRISTIAN R. SPORCK, A.B., *Research Fellow in Physical Chemistry.* (1946-47)
 RUDOLPH STRASSLE, PH.D., *Research Fellow in Physical Chemistry.*
 CHARLES TANFORD, PH.D., *Research Fellow in Physical Chemistry.*
 EERO J. UROMA, M.D., *Research Fellow in Physical Chemistry.*

The Department of Physical Chemistry in the Medical School is concerned with the physical chemistry of physiological systems and the characterization of their components, such as water, electrolytes, amino acids, peptides, phospholipoids, proteins and lipoproteins in terms of physical constants defining their behavior. Special courses of investigation may be arranged to meet the needs of individual students.

FOURTH YEAR ELECTIVE COURSE

20. Research in the Chemistry of Biological Substances and Systems. Drs. COHN, EDSALL, and ONCLEY. Investigation. Not less than one full course.

VOLUNTARY COURSE

34. Advanced Biological Chemistry. Physical Chemistry of Proteins and Other Biological Substances. Drs. COHN, EDSALL, ONCLEY, and Associates. Tuesday and Thursday afternoons throughout the year. Lecture and Laboratory work.

Biological Chemistry

- ERIC G. BALL, PH.D., *Professor of Biological Chemistry.*
 CYRUS H. FISKE, M.D., *Professor of Biological Chemistry.*
 A. BAIRD HASTINGS, PH.D., D.Sc. (hon.), *Hamilton Kuhn Professor of Biological Chemistry and Head of the Department.*
 HALVOR N. CHRISTENSEN, PH.D., *Assistant Professor of Biological Chemistry.*
 JORGE FOLCH-PI, M.D., *Assistant Professor of Biological Chemistry.*

RALPH W. MCKEE, PH.D., *Assistant Professor of Biological Chemistry.*

*DEWITT STETTEN, JR., M.D., PH.D., *Assistant Professor of Biological Chemistry.*

HARRY C. TRIMBLE, PH.D., *Assistant Professor of Biological Chemistry.*

CHRISTIAN B. ANFINSEN, PH.D., *Associate in Biological Chemistry.*

ROBERT G. GOULD, PH.D., *Associate in Biological Chemistry.*

FRITZ A. LIPMANN, M.D., DR. PHIL., *Associate in Biological Chemistry.*

CLAUDE A. VILLEE, JR., PH.D., *Instructor in Biological Chemistry and Tutor in the Preclinical Sciences.*

LEWIS L. ENGEL, PH.D., *Research Associate in Biological Chemistry and Medicine.*

JIN H. KINOSHITA, A.B., *Teaching Fellow in Biological Chemistry.*

F. LEE RODKEY, M.S., *Teaching Fellow in Biological Chemistry.*

F. MAROTT SINEX, A.M., *Teaching Fellow in Biological Chemistry.*

JOHN M. WELLER, M.D., *Teaching Fellow in Biological Chemistry.*

ANNE BELOFF, PH.D., *Research Fellow in Biological Chemistry. (1946-47)*

JOSÉ A. CARTAYA, M.D., *Research Fellow in Biological Chemistry and Fellow of the Rockefeller Foundation. (1946-47)*

WILLIAM R. CHRISTENSEN, M.D., *Research Fellow in Biological Chemistry (1946-47), Milton Fellow (1947-48)*

SIDNEY COBB, M.D., *Research Fellow in Biological Chemistry.*

HAROLD MANKIN, M.D., *Research Fellow in Biological Chemistry.*

OLOF H. PEARSON, M.D., *Research Fellow in Biological Chemistry.*

JOHN W. RAKER, M.D., *Milton Fellow.*

RICHARD B. SINGER, M.D., *Research Fellow in Biological Chemistry. (1946-47)*

MARJORIE R. STETTEN, PH.D., *Research Fellow in Biological Chemistry.*

CHING-TSENG TENG, M.D., *Research Fellow in Biological Chemistry.*

YALE J. TOPPER, PH.D., *Research Fellow in Biological Chemistry.*

JAMES L. TULLIS, M.D., *Research Fellow in Biological Chemistry and Fellow of the International Cancer Research Foundation.*

FREDERICK J. STARE, PH.D., M.D., *Associate Professor of Nutrition.*

DAVID M. HEGSTED, PH.D., *Assistant Professor of Nutrition.*

ROBERT E. OLSON, PH.D., *Instructor in Nutrition.*

REQUIRED COURSE

BIOLOGICAL CHEMISTRY A. *First Year.* — The lectures in this course consist of a brief discussion of the theories of chemical constitution and a survey of those classes of chemical substances which are to be found in animals and plants, and of the general principles and more important facts of physiological chemistry.

* Appointment under Committee on Medical Research in Biophysics.

The laboratory practice is designed to acquaint the student with some of the more important constituents of living matter and their chemical behavior, and with some of the routine methods of biochemical investigation.

Conferences and discussions of selected topics supplement the main work of the course.

FIRST YEAR

HOURS

Lectures and Laboratory work. Drs. HASTINGS, BALL, STARE, TRIMBLE, HEGSTED, MCKEE, ANFINSEN, GOULD, and Assistants. *Three times a week, second half-year.* 232

FOURTH YEAR ELECTIVE COURSE

20. Research. Drs. HASTINGS, BALL, FOLCH-PI, STARE, STETTEN, TRIMBLE, ENGEL, LIPMANN, and MCKEE. Students who are especially interested in methods and problems of biological chemistry will be given opportunity to do advanced work.

VOLUNTARY COURSES

30. Advanced Biological Chemistry. Dr. HASTINGS. First semester. Time to be arranged.

31. Clinical Nutrition. Dr. STARE and Associates. Tuesdays, 4 P.M.

Bacteriology

J. HOWARD MUELLER, PH.D., *Charles Wilder Professor of Bacteriology and Immunology and Head of the Department.*

MONROE D. EATON, M.D., *Associate Professor of Bacteriology and Immunology.*

JOHN F. ENDERS, PH.D., *Associate Professor of Bacteriology and Immunology.*

F. SARGENT CHEEVER, M.D., *Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology.*

MAX BOVARNICK, M.D., PH.D., *Assistant Professor of Bacteriology and Immunology.*

ROBERT N. NYE, M.D., *Assistant Professor of Bacteriology and Immunology.* (Deceased September 10, 1947.)

ELLIOTT S. A. ROBINSON, M.D., PH.D., *Assistant Professor of Applied Immunology.* (On leave of absence.)

LOUIS L. DIENES, M.D., *Lecturer in Bacteriology and Immunology.*

JOHN H. HANKS, PH.D., *Lecturer on Bacteriology and Immunology.*

WILLIAM A. HINTON, M.D., *Lecturer on Bacteriology and Immunology.*

ALBERT H. COONS, M.D., *Instructor in Bacteriology and Immunology.*

JOHN A. V. DAVIES, M.D., *Instructor in Bacteriology and Immunology and Assistant Professor of Pediatrics.*

- GEOFFREY EDSALL, M.D., *Instructor in Bacteriology and Immunology.*
(1946-47)
- ROBERT A. MACCREADY, M.D., *Instructor in Bacteriology and Immunology.*
- HERBERT C. STOERCK, M.D., *Instructor in Bacteriology and Immunology.*
(Resigned October 31, 1947.)
- DOROTHY W. CALDWELL, S.M., *Assistant in Bacteriology and Immunology.*
(1946-47)
- JAMES T. HEYL, M.D., *Assistant in Bacteriology and Immunology.* (1946-47)
- LEWIS W. KANE, M.D., *Assistant in Bacteriology and Immunology.*
- MELVIN H. KAPLAN, A.B., *Harold C. Ernst Fellow in Bacteriology and Immunology.*
- MANSON MEADS, M.D., *Harold C. Ernst Fellow in Bacteriology and Immunology.* (Resigned February 28, 1947.)
- FADIL ADJADJ, M.D., *Research Fellow in Bacteriology and Immunology.*
- PATRICK M. DEBURGH, M.B., *Research Fellow in Bacteriology and Immunology.* (1946-47)
- RUTH M. DREW, S.M., *Research Fellow in Bacteriology and Immunology.*
- NUSRET H. FISEK, M.D., *Research Fellow in Bacteriology and Immunology.*
- LAWRENCE KILHAM, M.D., *Research Fellow in Bacteriology and Immunology.*
- SHIGAN LI, M.B., *Research Fellow in Bacteriology and Immunology.*
- EVELYN L. OGINSKY, PH.D., *Research Fellow in Bacteriology and Immunology.*
- ROBERT RUSTIGAN, PH.D., *Research Fellow in Bacteriology and Immunology.*
- ALEXANDER TERZIN, M.D., *Research Fellow in Bacteriology and Immunology.*
- PEN-CHUNG YU, M.B., *Research Fellow in Bacteriology and Immunology.*
- JOHN C. SNYDER, M.D., *Professor of Public Health Bacteriology.*
- SIDNEY COHEN, M.D., *Instructor in Medicine.*
- THOMAS F. PAINE, JR., M.D., *Assistant in Medicine.*
- HERBERT R. MORGAN, M.D., *Research Fellow in Medicine.*
- HENRY F. ALLEN, M.D., *Fellow in Ophthalmic Research.*

The personnel and equipment of the Department of Bacteriology are prepared to supply instruction and opportunities for investigation to properly qualified undergraduate and graduate students in general bacteriology, pathogenic bacteriology, and the problems of immunity.

REQUIRED COURSE

BACTERIOLOGY A. *Second Year.*—The required course for medical students is taught by lectures, laboratory work, and conferences. Stress in this course is laid upon those parts of bacteriology and immunology which are directly pertinent to the pathology of infectious disease, its practical diagnosis and

treatment. The students are introduced as rapidly as possible to the medical problems of bacteriology, and the subjects taught are illustrated by material obtained from the associated hospitals. Immunological and serological technique in its practical aspects is dealt with by group instruction, and the preventive aspects of the physician's duties in relation to infectious diseases are considered as thoroughly as time permits.

	HOURS
Lectures. Drs. MUELLER, CHEEVER, BOVARNICK, and Staff. <i>Mondays, Wednesdays, and Fridays, first half-year.</i>	48
Laboratory work. Drs. MUELLER, CHEEVER, BOVARNICK, and Staff. <i>Two hours, Mondays, Wednesdays, and Fridays, first half-year.</i>	96

FOURTH YEAR ELECTIVE COURSE

20. Research. The Department of Bacteriology offers opportunity for special study for one or more months. Students will be accepted for such work and the nature of their studies will be determined by individual conferences between the applicants and members of the staff of the department.

VOLUNTARY COURSES

30. Research. Opportunity for research will be given to qualified students upon consultation with members of the staff.

32. Immunity and Serology. Dr. BOVARNICK and Staff. Seminars and laboratory work. Time to be arranged. Open to second, third, and fourth year students and graduates.

33a. Applied Immunology (Serums and Vaccines). Drs. ROBINSON and EDSALL. Massachusetts State Antitoxin Laboratory. Open to third year students and to students especially qualified. Limited to fifteen students. Application should be made to Dr. EDSALL at the Laboratory.

33b. Clinical Bacteriology. Tuesdays and Thursdays, 3 P.M. during April. B.C.H. Limited to twelve students from the third year class and will not be given for less than four. Application must be made at least a month in advance.

34. Viruses. Dr. CHEEVER. Time to be arranged. Open to second, third, and fourth year students. Limited to ten students.

Pathology

S. BURT WOLBACH, M.D., *Shattuck Professor of Pathological Anatomy and Head of the Department.* (Emeritus, September 1, 1947.)

FREDERIC PARKER, JR., M.D., *Associate Professor of Pathology.*

ORVILLE T. BAILEY, M.D., *Assistant Professor of Pathology.*

SIDNEY FARBER, M.D., *Assistant Professor of Pathology.*

- ARTHUR T. HERTIG, M.D., *Assistant Professor of Pathology and of Obstetrics.*
TRACY B. MALLORY, M.D., *Assistant Professor of Pathology and Acting
Head of the Department.*
- MONROE J. SCHLESINGER, M.D., *Assistant Professor of Pathology.*
SHIELDS WARREN, M.D., *Assistant Professor of Pathology.*
BENJAMIN CASTLEMAN, M.D., *Associate in Pathology.*
JOSEPH H. BRAGDON, M.D., *Instructor in Pathology.*
BENJAMIN E. CLARKE, M.D., *Instructor in Pathology.*
ERNST J. EICHWALD, M.D., *Instructor in Pathology.*
HERBERT FANGER, M.D., *Instructor in Pathology.*
LEE N. FOSTER, M.D., *Instructor in Pathology.* (Resigned March 1, 1947.)
CLINTON VAN Z. HAWN, M.D., *Instructor in Pathology.* (1946-47)
THOMAS D. KINNEY, M.D., *Instructor in Pathology.* (Resigned October 31,
1947.)
PHILIP M. LE COMPTE, M.D., *Instructor in Pathology.*
G. KENNETH MALLORY, M.D., *Instructor in Pathology.*
WILLIAM A. MEISSNER, M.D., *Instructor in Pathology.*
STANLEY L. ROBBINS, M.D., *Instructor in Pathology.*
J. STEWART ROONEY, M.D., *Instructor in Pathology.* (1946-47)
REUBEN Z. SCHULZ, M.D., *Instructor in Pathology.*
ROBERT E. SCULLY, M.D., *Instructor in Pathology.*
RONALD C. SNIFFEN, M.D., *Instructor in Pathology.*
EDGAR B. TAFT, M.D., *Instructor in Pathology.*
EPHRAIM WOLL, M.D., *Instructor in Pathology.* (Resigned August 31, 1947.)
DANTE F. CAMPAGNA-PINTO, M.D., *Assistant in Pathology.*
JOHN M. CRAIG, M.D., *Assistant in Pathology.*
FRANK P. DUTRA, M.D., *Assistant in Pathology and Research Fellow in Legal
Medicine.* (On leave of absence.) (1946-47)
EARL B. WERT, M.D., *Assistant in Pathology.*
J. LEROY CONEL, PH.D., *Research Associate in Pathology.*
OLIVE GATES, M.D., *Research Associate in Pathology.*
MELVIN B. BLACK, M.D., *Research Fellow in Pathology.*
DAVID L. COFFIN, V.M.D., *Research Fellow in Pathology.*
FRANK J. DIXON, M.D., *Research Fellow in Pathology.*
LLOYD C. FOGG, M.D., *Research Fellow in Pathology.*
RICHARD FORD, M.D., *Milton Fellow.*
ELLIOTT S. HURWITT, M.D., *Research Fellow in Pathology.* (1946-47)
N. PAUL ISBELL, M.D., *Research Fellow in Pathology* (through January 31,
1947).
BLANCHE E. JACKSON, M.D., *Research Fellow in Pathology.* (1946-47)
ALISTAIR M. MACDONALD, M.D., *Research Fellow in Pathology.*
CHARLOTTE L. MADDOCK, M.D., *Research Fellow in Pathology.* (1946-47)

REQUIRED COURSE

PATHOLOGY A. *Second Year.*—The course in pathology consists of laboratory work and lectures. The basis of the laboratory work is a systematic study in pathological histology. In conjunction with this there are demonstrations of fresh material and museum specimens and experiments on animals bearing on the subject studied. Lectures are given three days in the week by the staff. The object of the lecture is to expand and coördinate the knowledge which the student obtains from his reading and the study of the assigned material. A further purpose of the lecture is to introduce into the course important advances not yet incorporated in textbooks.

The course is not divided sharply into general and special pathology. However, during the first part of the year basic pathologic processes such as tissue injury and repair, inflammation, tissue responses to specific infectious agents and neoplasia are emphasized. Later, the diseases of the important organs and systems are considered in some detail. Vitamin deficiencies and dysfunction of the endocrine glands are given particular consideration. In collaboration with the Departments of Ophthalmology and Oral Pathology, arrangements have been made for special lectures and laboratory exercises in these fields. The teaching methods employed are such as will encourage independent work on the part of the student. Material is supplied and instruction is offered on methods of study and observation. Conferences, recitation, or quiz exercises are occasionally substituted in the place of laboratory work.

During the entire period of instruction, small groups of students are sent in rotation to the various hospitals to see and assist in postmortem examinations. The autopsy material of the Peter Bent Brigham, the Boston City, the Massachusetts General, the Children's, the Beth Israel, the Boston Lying-in, the Palmer Memorial, the House of the Good Samaritan, and the Long Island hospitals is available for teaching purposes. Each group prepares and studies microscopical specimens of the tissues from each autopsy attended. At a subsequent conference with an instructor, the case history and gross autopsy findings are reviewed and an attempt is made to correlate the pathological changes with the clinical features.

Demonstrations of gross material are given on each teaching day in rooms adjacent to the laboratory. Specimens from the Warren Museum, which is an integral part of the Department of Pathology, are used to supplement the material obtained from the various hospitals. In addition to these assigned exercises in gross pathology, the students are encouraged to become familiar with the selected material that is placed on display in the museum cases or stored in specially designed tanks.

Courses in Parasitology and Neuropathology are given separately by the respective departments. The course in Clinical Pathology is under the direction of the Department of Medicine.

SECOND YEAR

HOURS

Lectures. Dr. MALLORY and Staff. *Mondays, Wednesdays, and Fridays, for twenty-six weeks.*

76

Laboratory work. Dr. MALLORY and Staff. *Two and a half hours, Mondays, Wednesdays, and Fridays, first half-year.* Section work. *Two hours, Mondays, Wednesdays, and Fridays, November and December.*

175

FOURTH YEAR ELECTIVE COURSES

1. Advanced Pathology. Dr. T. B. MALLORY. M.G.H. Whole course, all day, or half-course, afternoons, first half-year.
2. Advanced Pathology. Dr. PARKER. B.C.H. Whole course, all day, for one or more months during the school year.
4. The Pathology of the Endocrine Diseases. Dr. S. WARREN. N.E.D.H. Whole course, all day, offered throughout the school year.
5. The Pathology of Tumors. Dr. S. WARREN. N.E.D.H. Whole course, all day, for one or more months during the school year.
7. Advanced Pathology. Dr. S. FARBER. C.H. Whole course, all day, for one or more months during the school year.
8. Advanced Pathology. Dr. M. J. SCHLESINGER. B.I.H. Whole course, all day, for one or more months during the school year.
9. Advanced Pathology. Dr. B. E. CLARKE. Rhode Island Hospital. Whole course, all day, for one or more months throughout the school year. Maintenance furnished by Rhode Island Hospital.

Comparative Pathology and Tropical Medicine

GEORGE C. SHATTUCK, M.D., A.M., *Clinical Professor of Tropical Medicine.*

DONALD L. AUGUSTINE, S.D., D.Sc. (*hon.*). *Associate Professor of Comparative Pathology and Tropical Medicine and Acting Head of the Department.*

LOUIS VAN DEN BERGHE, M.D., *Visiting Lecturer on Tropical Medicine.*

QUENTIN M. GEIMAN, Ph.D., *Assistant Professor of Tropical Diseases.*

ALBERT A. HORNOR, M.D., *Instructor in Tropical Diseases.*

THEODORE S. COBBEY, JR., M.D., *Research Associate in Comparative Pathology and Tropical Medicine.* (1946-47)

WILLIAM O. NEGERBON, Ph.D., *Instructor in Comparative Pathology and Tropical Medicine.*

WALTER H. CASKEY, M.D., *Research Fellow in Comparative Pathology and Tropical Medicine.*

REQUIRED COURSE

COMPARATIVE PATHOLOGY A, PARASITOLOGY. *Second Year.*—The important helminth and protozoan parasites of man are considered with reference to

their geographic distribution, identification, mode of transmission, pathogenesis, immune reactions and methods for prevention and control. Clinical aspects and chemotherapy of parasitic diseases are discussed. Emphasis is given to methods of laboratory diagnosis. Arthropods of parasitological importance are briefly surveyed with special consideration of insects related to human disease.

SECOND YEAR

HOURS

Lectures, demonstrations, and laboratory work. Dr. AUGUSTINE and Staff. H.M.S. *Three times a week, during first half of Second Year.*

30

FOURTH YEAR ELECTIVE COURSE

20a. Research in protozoölogy, helminthology, medical entomology and tropical medicine, may be arranged for qualified students. Dr. AUGUSTINE and Staff.

Pharmacology

HENRY K. BEECHER, M.D., *Henry Isaiah Dorr Professor of Research in Anaesthesia.*

OTTO KRAYER, M.D., *Associate Professor of Comparative Pharmacology and Head of the Department.*

GEORGE H. ACHESON, M.D., *Assistant Professor of Pharmacology.*

ALFRED E. FARAH, M.D., *Visiting Lecturer on Pharmacology.*

RALPH E. BRAUER, PH.D., *Instructor in Pharmacology. (1946-47)*

DALE G. FRIEND, M.D., *Instructor in Pharmacology.*

AVRAM GOLDSTEIN, M.D., *Instructor in Pharmacology.*

ARTHUR J. LINENTHAL, M.D., *Instructor in Pharmacology and Medicine.*

DOUGLAS S. RIGGS, M.D., *Instructor in Pharmacology.*

FREDERICK C. UHLE, PH.D., *Research Associate in Pharmacology.*

GEOFFREY S. DAWES, B.Sc., B.M., B.Ch., *Research Fellow in Pharmacology (Resigned December 31, 1946).*

GEORGE MARESH, JR., M.D., *Research Fellow in Pharmacology and Medicine.*

MARY A. ROOT, A.B., *Research Fellow in Pharmacology.*

JOHN B. STANBURY, M.D., *Milton Fellow.*

ALBERT WOLLENBERGER, A.M., *Research Fellow in Pharmacology.*

REQUIRED COURSE

PHARMACOLOGY A. *Second Year.* The course in Pharmacology consists of lectures, demonstrations, experimental laboratory exercises and conferences. The students have an opportunity to learn about the fundamental pharmacological and toxicological concepts and to become acquainted with the important drugs. Emphasis is placed on the mode of action of pharmacological agents in such a way as to provide the student with a rational basis

for the study of therapeutics with drugs. The analysis of pharmacological effects is based on experimental and clinical facts obtained from studies in man and animals. In the laboratory, stress is laid on observation and interpretation by the student. The last five lectures of the course are devoted to demonstrations and discussions of the drug forms and their appropriate way of prescription and administration.

SECOND YEAR

HOURS

Lectures. Dr. KRAYER and Staff. <i>One hour, three times a week: Tuesday, Thursday and Saturday, first half-year; Monday, Wednesday and Friday, second half-year.</i>	84
Laboratory work and Conferences. Dr. KRAYER and Staff. <i>Three hours alternating for half the class.</i>	58

FOURTH YEAR ELECTIVE COURSES

20. Research in Pharmacology.
- 20a. Substances affecting the circulatory system. Dr. KRAYER and Dr. ACHESON.
- 20b. Substances affecting the autonomic nervous system. Dr. KRAYER and Dr. ACHESON.
- 20c. Substances affecting nerve and skeletal muscle. Dr. ACHESON.

Legal Medicine

- ALAN R. MORITZ, M.D., *Frances Glessner Lee Professor of Legal Medicine and Head of the Department.*
- TIMOTHY LEARY, M.D., A.M., *Lecturer on Legal Medicine.*
- WILLIAM J. BRICKLEY, M.D., *Associate in Legal Medicine.*
- WALTER W. JETTER, M.D., S.M., *Associate in Legal Medicine.*
- JOSEPH T. WALKER, PH.D., *Associate in Legal Medicine.*
- WILLIAM H. WATTERS, M.D., A.M., PH.D., *Associate in Legal Medicine.*
- ROBERT P. BRITAIN, M.D., CH.B., LL.B., *Research Fellow in Legal Medicine.*
- FRANK R. DUTRA, M.D., *Research Fellow in Legal Medicine and Assistant in Pathology. (On leave of absence.) (1946-47)*
- RUSSELL S. FISHER, M.D., *Research Fellow in Legal Medicine.*
- RICHARD FORD, M.D., *Milton Fellow.*
- EDWIN V. HILL, M.D., *Research Fellow in Legal Medicine. (On leave of absence.) (1946-47)*
- ANGELO LAPI, M.D., *Research Fellow in Legal Medicine.*
- MICHAEL A. LUONGO, M.D., *Research Fellow in Legal Medicine.*
- REGINA MCLEAN, S.B., *Research Fellow in Legal Medicine.*
- JOSEPH W. SPELMAN, M.D., *Research Fellow in Legal Medicine.*
- WILLIAM R. WADDELL, M.D., *Research Fellow in Legal Medicine (through July 31, 1947).*

NORMAN ZAMCHECK, M.D., *Research Fellow in Legal Medicine.*

REGINALD D. KERNAN, M.D., *Fellow in Legal Medicine.* (1946-47)

REQUIRED COURSE

Third Year — Twelve lectures. The circumstances in which medical evidence is likely to be essential to the administration of justice. Mechanism and pathological characteristics of injuries most frequently responsible for litigation. Laws and legal principles relating to the practice of medicine and to the settlement of malpractice claims.

THIRD YEAR

HOURS

Lectures. Dr. MORITZ and Staff. H.M.S. *First twelve Fridays of the first half-year, at 4.15 P.M.*

12

Medicine

Under this Division are included Medicine and the specialties relating chiefly to Medicine: — Dermatology, Diseases of the Nervous System (Neurology, Neuropathology, and Psychiatry), Ophthalmology, and Radiology.

MEDICINE

JOSEPH C. AUB, M.D., *Professor of Research Medicine and Director of the Medical Laboratories of the Collis P. Huntington Memorial Hospital.*

HERRMAN L. BLUMGART, M.D., *Professor of Medicine and Head of the Department at the Beth Israel Hospital.*

C. SIDNEY BURWELL, M.D., LL.D., *Research Professor of Clinical Medicine and Dean.*

WILLIAM B. CASTLE, M.D., S.M., M.D. (hon.), *Professor of Medicine and Chairman of the Department.*

JAMES H. MEANS, M.D., *Jackson Professor of Clinical Medicine and Head of the Department at the Massachusetts General Hospital.*

GEORGE R. MINOT, M.D., S.D., F.R.C.P. (Edin.), F.R.C.P. (Lond.), *Professor of Medicine and Head of the Department at the Boston City Hospital.*

GEORGE W. THORN, M.D., *Hersey Professor of the Theory and Practice of Physic and Head of the Department at the Peter Bent Brigham Hospital.*

FULLER ALBRIGHT, M.D., *Associate Professor of Medicine.*

WALTER BAUER, M.D., *Associate Professor of Medicine.*

MAXWELL FINLAND, M.D., *Associate Professor of Medicine.*

CHESTER M. JONES, M.D., S.D., *Clinical Professor of Medicine.*

PAUL D. WHITE, M.D., *Clinical Professor of Medicine.*

REGINALD FITZ, M.D., *Lecturer on the History of Medicine and Assistant to the Dean.*

T. DUCKETT JONES, M.D., *Lecturer on Medicine.*

- DONALD S. KING, M.D., *Lecturer on Medicine.*
 FRANCIS M. RACKEMANN, M.D., *Lecturer on Medicine.*
 MARK D. ALTSCHULE, M.D., *Assistant Professor of Medicine.*
 LEWIS DEXTER, M.D., *Assistant Professor of Medicine.*
 EUGENE C. EPPINGER, M.D., *Assistant Professor of Medicine.*
 JOSEPH W. FERREBEE, M.D., *Assistant Professor and Tutor in Medicine.*
 *SEYMOUR J. GRAY, M.D., *Assistant Professor of Medicine.*
 T. HALE HAM, M.D., *Assistant Professor of Medicine.*
 HENRY JACKSON, JR., M.D., *Assistant Professor of Medicine.*
 SAMUEL A. LEVINE, M.D., *Assistant Professor of Medicine.*
 JAMES P. O'HARE, M.D., *Assistant Professor of Medicine.*
 W. RICHARD OHLER, M.D., *Assistant Professor of Medicine.*
 RULON W. RAWSON, M.D., *Assistant Professor of Medicine.*
 MARIAN W. ROPES, M.D., *Assistant Professor of Medicine.*
 ALBERT O. SEELER, M.D., *Assistant Professor of Industrial Hygiene.*
 ROBERT H. WILLIAMS, M.D., *Assistant Professor of Medicine.*
 BENJAMIN ALEXANDER, M.D., *Associate in Medicine.*
 S. HOWARD ARMSTRONG, M.D., *Associate in Medicine.*
 WILLIAM W. BECKMAN, M.D., *Associate in Medicine.*
 CHARLES S. DAVIDSON, M.D., *Associate and Francis Weld Peabody Fellow in Medicine.*
 CLIFFORD L. DERICK, M.D.C.M., *Associate in Medicine.*
 HARRY A. DEROW, M.D., *Associate in Medicine.*
 LAURENCE B. ELLIS, M.D., *Associate in Medicine.*
 KENDALL EMERSON, JR., M.D., *Associate in Medicine.*
 CUTTING B. FAVOUR, M.D., *Associate in Medicine.*
 A. STONE FREEDBERG, M.D., *Associate in Medicine.*
 MARSHALL N. FULTON, M.D., *Associate in Medicine.* (Resigned March 1, 1947.)
 SAMUEL L. GARGILL, M.D., *Associate in Medicine.*
 CLARK W. HEATH, M.D., *Associate in Medicine.*
 FRANCIS T. HUNTER, M.D., *Associate in Medicine.*
 F. WILLIAM MARLOW, JR., M.D., *Associate in Medicine.*
 ROBERT T. MONROE, M.D., *Associate in Medicine.*
 WILLIAM P. MURPHY, M.D., *Associate in Medicine.*
 WYMAN RICHARDSON, M.D., *Associate in Medicine.*
 JOSEPH E. F. RISEMAN, M.D., *Associate in Medicine.*
 HOWARD F. ROOT, M.D., *Associate in Medicine.*
 RICHARD P. STETSON, M.D., *Associate in Medicine.*
 MAURICE B. STRAUSS, M.D., *Associate in Medicine.*
 JOHN H. TALBOTT, M.D., *Associate in Medicine.*

* Appointment under Committee on Medical Research in Biophysics.

- FRANCIS H. L. TAYLOR, M.D., *Associate in Research Medicine.*
ARTHUR L. WATKINS, M.D., *Associate in Medicine.*
LOUIS WOLFF, M.D., *Associate in Medicine.*
PAUL C. ZAMECNIK, M.D., *Associate in Medicine.*
LEWIS L. ENGEL, PH.D., *Research Associate in Medicine and Biological Chemistry.*
KENNETH A. EVELYN, M.D., *Research Associate in Medicine.*
JOHN G. GIBSON, 2D, M.D., *Research Associate in Medicine.*
FRANK D. ADAMS, M.D., *Instructor in Medicine.*
THEODORE L. BADGER, M.D., *Instructor in Medicine.*
BENJAMIN M. BANKS, M.D., *Instructor in Medicine.*
EDWARD F. BLAND, M.D., *Instructor in Medicine.*
WALTER S. BURRAGE, M.D., *Instructor in Medicine.*
EARLE MACA. CHAPMAN, M.D., *Instructor in Medicine.*
SIDNEY COHEN, M.D., *Instructor in Medicine.*
EDWARD S. EMERY, JR., M.D., *Instructor in Medicine.* (1946-47)
CLEMENT A. FINCH, M.D., *Instructor in Medicine.*
GREENE S. FITZHUGH, M.D., *Instructor in Medicine.*
DON D. FLICKINGER, M.D., *Instructor in Medicine.* (Resigned Dec. 1, 1946.)
BURTON E. HAMILTON, M.D., *Instructor in Medicine.*
SAUL HERTZ, M.D., *Instructor in Medicine.*
DAVID HURWITZ, M.D., *Instructor in Medicine.*
BERNARD M. JACOBSON, M.D., *Instructor in Medicine.* (1946-47)
JACOB LERMAN, M.D., *Instructor in Medicine.*
MARK F. LESSES, M.D., *Instructor in Medicine.*
ARTHUR J. LINENTHAL, M.D., *Instructor in Medicine and Pharmacology.*
ARTHUR J. LOCKHART, M.D., *Instructor in Medicine.*
EUGENE L. LOZNER, M.D., *Instructor in Medicine.* (Resigned Sept. 30, 1947.)
DONALD J. MACPHERSON, M.D., *Instructor in Medicine.*
ALEXANDER MARBLE, M.D., *Instructor in Medicine.*
JOHN R. MCBRIDE, M.D., *Instructor in Medicine.* (Resigned Dec. 1, 1946.)
SYLVESTER MCGINN, M.D., *Instructor in Medicine.*
DUDLEY MERRILL, M.D., *Instructor in Medicine.*
HELEN S. PITTMAN, M.D., *Instructor in Medicine.*
HOWARD B. SPRAGUE, M.D., *Instructor in Medicine.*
WILLIAM B. STEVENS, M.D., *Instructor in Medicine.*
LOUIS ZETZEL, M.D., *Instructor in Medicine.*
PAUL M. ZOLL, M.D., *Instructor in Medicine.*
THEODORE B. BAYLES, M.D., *Assistant in Medicine.*
SAMUEL B. BEASER, M.D., *Assistant in Medicine.*
RICHARD A. BLOOMFIELD, M.D., *Assistant in Medicine.*
HAROLD BROWN, M.D., *Assistant in Medicine.* (1946-47)

- MORTON G. BROWN, M.D., *Assistant in Medicine.*
ROBERT E. BROWNLEE, M.D., *Assistant in Medicine.*
THOMAS C. CHALMERS, M.D., *Assistant in Medicine.*
DONALD T. CHAMBERLIN, M.D., *Assistant in Medicine.*
CARLETON B. CHAPMAN, M.D., *Assistant in Medicine.* (Resigned Dec. 31, 1946.)
WILLIAM S. CLARK, M.D., *Assistant in Medicine.*
ANDREW W. CONTRATTO, M.D., *Assistant in Medicine.*
LEWIS K. DAHL, M.D., *Assistant in Medicine.*
BRIANT LER. DECKER, M.D., *Assistant in Medicine.*
DANIEL S. ELLIS, M.D., *Assistant in Medicine.*
ROBERT D. EPSTEIN, M.D., *Assistant in Medicine.*
JACK McC. EVANS, M.D., *Assistant in Medicine.*
JOHN M. FLYNN, M.D., *Assistant in Medicine.*
ROBERT GOLDSTEIN, M.D., *Assistant in Medicine.*
JAMES H. GRAHAM, M.D., *Assistant in Medicine.* (1946-47)
JOHN R. GRAHAM, M.D., *Assistant in Medicine.*
WILLIAM R. HILL, JR., M.D., *Assistant in Medicine and Dermatology.*
ARTHUR G. HILLS, M.D., *Assistant in Medicine.*
CALDERON HOWE, M.D., *Assistant in Medicine.*
WILLIAM MCK. JEFFERIES, M.D., *Assistant in Medicine.*
FRIEDRICH W. KLEMPERER, M.D., *Assistant in Medicine.* (Resigned Dec. 31, 1946.)
ALFRED KRANES, M.D., *Assistant in Medicine.*
HAROLD D. LEVINE, M.D., *Assistant in Medicine.*
HERBERT D. LEWIS, M.D., *Assistant in Medicine.*
WALTER K. LONG, M.D., *Assistant in Medicine.*
GEORGE W. LYNCH, M.D., *Assistant in Medicine.*
JAMES S. MANSFIELD, M.D., *Assistant in Medicine.*
L. TILLMAN McDANIEL, M.D., *Assistant in Medicine.*
JOHN G. MEBANE, M.D., *Assistant in Medicine.*
EDWARD MEILMAN, M.D., *Assistant in Medicine.*
ALBERT I. MENDELOFF, M.D., *Assistant in Medicine.* (1946-47)
JOHN K. MENEELY, JR., M.D., *Assistant in Medicine.* (1946-47)
THOMAS L. MURPHY, M.D., *Assistant in Medicine.*
GORDON S. MYERS, M.D., *Assistant in Medicine.*
HYMAN L. NATERMAN, M.D., *Assistant in Medicine.*
TOM F. PAINE, JR., M.D., *Assistant in Medicine.*
RICHARD J. PALMER, M.D., *Assistant in Medicine.*
OGLESBY PAUL, M.D., *Assistant in Medicine.*
CAREY M. PETERS, M.D., *Assistant in Medicine.*
ARTHUR S. PIER, JR., M.D., *Assistant in Medicine.*

- GEORGE PIKE, M.D., *Assistant in Medicine.*
CURTIS PROUT, M.D., *Assistant in Medicine.*
GORDON A. SAUNDERS, M.D., *Assistant in Medicine.*
J. SYDNEY STILLMAN, JR., M.D., *Assistant in Medicine.*
MELVIN I. STURNICK, M.D., *Assistant in Medicine.*
EUGENE R. SULLIVAN, M.D., *Assistant in Medicine.*
ROBERT H. TALKOV, M.D., *Assistant in Medicine.*
JOSEPH L. TANSEY, M.D., *Assistant in Medicine.*
JAMES A. TAYLOR, M.D., *Assistant in Medicine.*
FRANK H. TYLER, M.D., *Assistant in Medicine.*
WADE VOLWILER, M.D., *Assistant in Medicine.*
CHARLES F. WALCOTT, M.D., *Assistant in Medicine.*
JOSEPH E. WARREN, M.D., *Assistant in Medicine.*
EDWIN O. WHEELER, M.D., *Assistant in Medicine.*
CONGER WILLIAMS, M.D., *Assistant in Medicine.*
ALEXANDER ALBERT, M.D., *Research Fellow in Medicine.* (Resigned Sept.
15, 1946.)
SAMUEL P. ASPER, JR., M.D., *Research Fellow in Medicine.* (1946-47)
WILLIAM B. AYRE, M.D., *Research Fellow in Medicine.*
LEVON F. AYVAZIAN, M.D., *Research Fellow in Medicine.*
C. CABELL BAILEY, M.D., *Research Fellow in Medicine.*
FREDERIC C. BARTTER, M.D., *Research Fellow in Medicine.*
GRACE E. BERGNER, M.D., *Research Fellow in Medicine.*
LIONEL BERK, M.D., *Research Fellow in Medicine.*
WILLIAM C. BRIDGES, M.D., *Research Fellow in Medicine.*
NANCY L. R. BUCHER, M.D., *Research Fellow in Medicine.*
ROBERT BUKA, JR., M.D., *Research Fellow in Medicine.*
JACQUES A. CARLOTTI, M.D., *Research Fellow in Medicine.* (1946-47)
PEDRO M. CATOGGIO, M.D., *Research Fellow in Medicine.*
THOMAS H. COLEMAN, M.D., *Research Fellow in Medicine.*
HARVEY S. COLLINS, M.D., *Research Fellow in Medicine.*
ARNOLD M. COOPER, M.D., *Research Fellow in Medicine.*
PERRY J. CULVER, M.D., *Milton Fellow.*
WILLIAM H. DAUGHADAY, M.D., *Research Fellow in Medicine.* (1946-47)
ANDRE DeVRIES, M.D., *Research Fellow in Medicine.* (1946-47)
VINCENT P. DOLE, JR., M.D., *Research Fellow in Medicine.* (1946-47)
JAMES W. DOW, M.D., *Research Fellow in Medicine.*
DAVID T. DRESDALE, M.D., *Research Fellow in Medicine.*
RICHARD D. ECKHARDT, M.D., *Research Fellow in Medicine.*
WILLIAM W. FALON, M.D., *Research Fellow in Medicine.*
ANNE P. FORBES, M.D., *Research Fellow in Medicine.*
PETER H. FORSHAM, M.D., *Research Fellow in Medicine.*

- ELISABETH G. FRAME, M.D., *Research Fellow in Medicine*. (Resigned Aug. 31, 1946)
- IVAN DE R. FRANTZ, M.D., *Research Fellow in Medicine*.
- PAUL FREMONT-SMITH, M.D., *Research Fellow in Medicine*.
- FRANK H. GARDNER, M.D., *Research Fellow in Medicine*.
- SAM T. GIBSON, M.D., *Milton Fellow*.
- ANDRE D. GLINOS, M.D., *Research Fellow in Medicine*.
- ROBERT S. GRIER, M.D., *Research Fellow in Medicine*.
- JUDA GROEN, M.D., *Research Fellow in Medicine*. (1946-47)
- HENRY W. HARRIS, M.D., *Research Fellow in Medicine*. (Resigned Dec. 31, 1946.)
- WATKINS P. HARVEY, M.D., *Research Fellow in Medicine*.
- FLORENCE W. HAYNES, PH.D., *Research Fellow in Medicine*.
- HARPER K. HELLEMS, M.D., *Research Fellow in Medicine*.
- ROBERT P. HOWARD, M.D., *Research Fellow in Medicine*.
- HERBERT N. HULTGREN, M.D., *Research Fellow in Medicine*.
- HERBERT JAFFE, PH.D., *Research Fellow in Medicine*.
- BERYL J. KENNEDY, M.D., *Research Fellow in Medicine*.
- FREDERIC KOLLER, M.D., *Research Fellow in Medicine*. (1946-47)
- STANLEY M. LEVENSON, M.D., *Research Fellow in Medicine*.
- ROGER A. LEWIS, M.D., *Research Fellow in Medicine*. (Resigned Sept. 30, 1946.)
- EVELYN LORENZEN, M.D., *Research Fellow in Medicine*. (1946-47)
- GEORGE MARESH, JR., M.D., *Research Fellow in Medicine and in Pharmacology*.
- JANET W. McARTHUR, M.D., *Henry P. Walcott Fellow in Clinical Medicine*. (Resigned Jan. 11, 1947.)
- SEDGWICK MEAD, M.D., *Research Fellow in Medicine*.
- J. PERVIA MILNOR, JR., M.D., *Research Fellow in Medicine*.
- WILLIAM L. MONEY, PH.D., *Research Fellow in Medicine*.
- HERBERT R. MORGAN, M.D., *Research Fellow in Medicine*.
- RODERICK MURRAY, M.D., *Research Fellow in Medicine*. (1946-47)
- PETER H. NASH, M.D., *Research Fellow in Medicine*.
- HERBERT W. PARK, 3D, M.D., *Research Fellow in Medicine*.
- MARTIN PERLMUTTER, M.D., *Research Fellow in Medicine*.
- EDWARD PHILLIPS, M.D., *Research Fellow in Medicine*.
- FRANCIS T. G. PRUNTY, M.D., *Research Fellow in Medicine*.
- BERNARD RAPOPORT, M.D., *Research Fellow in Medicine*. (1946-47)
- CHARLES E. RATH, M.D., *Research Fellow in Medicine*.
- LILLIAN RECENT, M.D., *Research Fellow in Medicine*.
- EDWARD C. REIFENSTEIN, JR., M.D., *Research Fellow in Medicine*. (Resigned Aug. 31, 1946.)

- ROBERT W. REIFENSTEIN, M.D., *Research Fellow in Medicine.*
 WALTER F. ROGERS, M.D., *Research Fellow in Medicine.*
 JOHN SCHULMAN, JR., M.D., *Research Fellow in Medicine.*
 HARLEY C. SHANDS, M.D., *Research Fellow in Medicine.*
 SHU CHU SHEN, M.D., *Research Fellow in Medicine.*
 JOHN R. SINTON, M.D., *Research Fellow in Medicine.*
 NILS B. SKANSE, M.D., *Henry P. Walcott Fellow in Clinical Medicine.*
 FRANCES W. STOUT, M.D., *Research Fellow in Medicine.* (1946-47)
 RENE TAGNON, M.D., *Research Fellow in Medicine.*
 EDWARD D. THOMAS, M.D., *Research Fellow in Medicine.*
 BEVERLY T. TOWERY, M.D., *Research Fellow in Medicine.*
 JOHN W. G. TUTHILL, M.D., *Research Fellow in Medicine.* (1946-47)
 BERT L. VALLEE, M.D., *Research Fellow in Medicine.*
 PHILIP F. WAGLEY, M.D., *Research Fellow in Medicine.*
 ROBERT J. WALSH, M.D., *Research Fellow in Medicine.*
 HOWARD J. WEINBERGER, M.D., *Research Fellow in Medicine.*
 STANFORD WESSLER, M.D., *Research Fellow in Medicine.*
 DONALD R. WILSON, M.D., *Research Fellow in Medicine.* (1946-47)
 CHARLES S. WISE, M.D., *Research Fellow in Medicine.*

REQUIRED COURSES

The instruction given by the Department of Medicine consists in lectures, recitations, amphitheatre clinics, practical work in the out-patient departments and wards of the hospitals, and a course in laboratory diagnosis which is given at the Harvard Medical School in the laboratory of the Department. Throughout, an effort is made to correlate the clinical aspects of patients with fundamental principles derived from the basic sciences and to establish in the student's mind the importance of care and precision in diagnostic and therapeutic methods. The time given to the Department of Medicine begins in the second half of the second year and continues throughout the third and fourth years of the medical curriculum.

Second Year.— During the second half of the second year introductory aspects of internal medicine are covered in a correlated program of lectures and demonstrations in the courses in physical diagnosis and laboratory diagnosis. The application of the subject matter of preclinical courses to clinical medicine is emphasized. For their practical instruction in the methods of history taking, physical examination, and laboratory technique the students are divided into small groups.

Third Year.— Throughout the third year the subjects of internal medicine are covered by clinics or lectures for the whole class, which are given at the various hospitals or at the Harvard Medical School. For their practical instruction the students are divided into small groups and work in the medical

wards or out-patient departments of the four larger hospitals connected with the Medical School. On Monday and Wednesday afternoons the third of the class assigned to Medicine attends amphitheatre clinics, clinical-pathological conferences, and x-ray conferences in rotation at the various hospitals.

Fourth Year.—In this year for two or three months the students serve mainly as clinical clerks in the medical wards of a general hospital. Part of their time, however, is devoted to acting as assistants in the medical clinic of the out-patient department. Especial emphasis is placed upon the care of the patient as an individual with respect to diagnosis and treatment. With individual variations in the different hospitals, conferences are held for the informal discussion of clinical, pathological, immunological, radiological, social or dietetic problems of selected cases.

ELECTIVE AND VOLUNTARY COURSES

In addition to the required courses for fourth year students the department offers several opportunities for specially qualified students to take advanced elective courses and to carry on research problems in internal medicine.

FACILITIES FOR INSTRUCTION

The instruction is given at the Harvard Medical School, the Massachusetts General Hospital, the Boston City Hospital, the Peter Bent Brigham Hospital, the Beth Israel Hospital and several other hospitals devoted to special purposes. In these hospitals abundant and varied clinical material is available for the conduct of the numerous exercises.

SECOND YEAR

HOURS

Lectures and demonstrations on physical diagnosis and introductory aspects of clinical medicine. Dr. WILLIAMS and Associates. <i>Four times a week.</i>	61
Section teaching in physical diagnosis and history taking. Dr. WILLIAMS and Assistants. M.G.H., B.C.H., P.B.B.H., B.I.H., and H.G.S. <i>Each student has twenty-four exercises.</i>	84
Lectures and practical exercises in laboratory diagnosis. Dr. HAM and Assistants. H.M.S. <i>Three times a week.</i>	96

THIRD YEAR

Lectures, recitations, and clinics on selected topics in internal medicine. Drs. MEANS, MINOT, THORN, AUB, BLUMGART, and Associates. <i>Throughout the year.</i>	64
Exercises in sections in the wards and out-patient departments at the M.G.H., B.C.H., P.B.B.H., and B.I.H. <i>Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.</i>	

FOURTH YEAR

Clinical clerkships at M.G.H. (Medicine C₁, Dr. MEANS and Associates), B.C.H. (Medicine C₂, Drs. MINOT, CASTLE, and Associates), P.B.B.H. (Medicine C₃, Dr. THORN and Associates), *throughout the year*, or B.I.H. (Medicine C₄, Dr. BLUMGART and Associates), *from October 1946 to May 1947, inclusive.* 288 or 432

FOURTH YEAR ELECTIVE COURSES

5. Advanced Medicine. Dr. MEANS and Associates. M.G.H.
6. Advanced Medicine. Drs. MINOT, CASTLE, FINLAND, HAM, JACKSON, and Associates. B.C.H.
7. Advanced Medicine. Dr. THORN and Associates. P.B.B.H.
8. Advanced Medicine. Dr. BLUMGART and Associates. B.I.H.
9. Advanced Medicine. Diabetes. Dr. ROOT and Associates. N.E.D.H.
10. Advanced Medicine. Neoplastic Disease. Drs. AUB, DALAND, ROBBINS, and Associates. M.G.H.
11. Syphilology. Dr. HILL and Associates. M.G.H.

VOLUNTARY COURSES

30. Clinical Medicine. Opportunities for experience in clinical investigation will be given at the B.C.H. to a limited number of properly qualified students. Individual arrangements should be made by personal application to Dr. MINOT or Dr. CASTLE.
31. Diseases of the Digestive System. Drs. ZETZEL and BANKS. Tuesdays and Thursdays, 2 to 3.30 P.M., April, B.I.H. Open to third year students.
33. Infectious Diseases. Clinics and bedside demonstrations. Dr. SULLIVAN, M.G.H., Dr. FINLAND and Associates, B.C.H., Dr. HEYL, P.B.B.H., Dr. COHEN, B.I.H., and Dr. DAVIES and Associates, C.H. Tuesdays. 3 to 4 P.M. (2 to 3 P.M. at C.H.), November through January. Open to second year students.
34. Diseases of the Thyroid. Drs. GARGILL, HERTZ and LESSES. Tuesdays, 3.30 to 5 P.M., March and April, B.I.H. Open to second, third and fourth year students.
36. Hypertensive Disease and Nephritis. Dr. DEROW. Tuesdays, 2 to 3.30 P.M., December and January, B.I.H. Open to third year students.
37. Diagnosis and Treatment of Heart Disease. Drs. ALTSCHULE and RISEMAN. Tuesdays, 2 to 3.30 P.M., February and March, B.I.H. Open to second and third year students.

39. Diabetes. Dr. Root and Associates. Tuesdays and Thursdays, 2.30 to 4.30 P.M., March, N.E.D.H.
40. Clinical Application of Physiological Principles. Dr. BLUMGART and Associates. Time and titles of clinics to be announced. B.I.H. Open to first year students during the second half-year.

DERMATOLOGY

- C. GUY LANE, M.D., *Clinical Professor of Dermatology and Head of the Department* (Emeritus, July 1, 1947.)
- JACOB H. SWARTZ, M.D., *Assistant Professor of Dermatology.*
- JOHN ADAMS, JR., M.D., *Instructor in Dermatology.*
- G. MARSHALL CRAWFORD, M.D., *Instructor in Dermatology and Acting Head of the Department 1947-48.*
- AUSTIN W. CHEEVER, M.D., *Assistant in Dermatology.*
- WILLIAM R. HILL, JR., M.D., *Assistant in Dermatology and Medicine.*
- WALTER F. LEVER, M.D., *Assistant in Dermatology.*
- MAURICE M. TOLMAN, M.D., *Assistant in Dermatology.*
- IRVIN H. BLANK, PH.D., *Research Associate in Dermatology.*
- CHARLES C. WAINGER, M.D., *Research Fellow in Dermatology.*

REQUIRED COURSES

Third Year.—In the first half-year five lectures are given. The most important diseases of the skin are reviewed briefly with the aid of lantern slides. Section work at the Massachusetts General Hospital provides ample material for each student to become familiar with the manifestations of the most common diseases of the skin. Emphasis is placed upon the typical features of these diseases, differential diagnosis and treatment.

THIRD YEAR

HOURS

- Lectures. Dr. CRAWFORD. H.M.S. *Five lectures, first half-year.* 5
- Section work. Clinical Dermatology. Drs. CRAWFORD, SWARTZ, ADAMS, HILL, TOLMAN, CHEEVER, and LEVER. M.G.H. *Each student attends ten or eleven exercises of three hours each.* 32

FOURTH YEAR ELECTIVE COURSES

1. Clinical Dermatology. Dr. CRAWFORD and Assistants. M.G.H. Half-course, mornings, monthly, throughout the year.
2. Advanced Dermatology. (Clinical clerkship.) Dr. CRAWFORD and Assistants. M.G.H. Whole course, all day, time to be arranged with head of department at the beginning of the year.

DEPARTMENT OF NEUROLOGY AND PSYCHIATRY

This department is composed of three divisions: —

1. NEUROLOGY, Dr. DENNY-BROWN, at the Boston City Hospital and Dr. KUBIK at the Massachusetts General Hospital. (Dr. CROTHERS, at the Children's Hospital, in association with the Department of Pediatrics, will give instruction in nervous diseases of children.)
2. NEUROPATHOLOGY, under Dr. COBB, at the Harvard Medical School.
3. PSYCHIATRY, under Dr. SOLOMON, at the Boston Psychopathic Hospital.

STANLEY COBB, M.D., *Bullard Professor of Neuropathology and Head of the Department of Psychiatry at the Massachusetts General Hospital.*

DEREK E. DENNY-BROWN, M.D., D.PHIL., F.R.C.P., *James Jackson Putnam Professor of Neurology and Head of the Department at the Boston City Hospital.*

HARRY C. SOLOMON, M.D., *Professor of Psychiatry and Head of the Department at the Boston Psychopathic Hospital.*

MARIAN C. PUTNAM, M.D., *Lecturer on Psychiatry.*

HENRY R. VIETS, M.D., *Lecturer on Neurology.*

RAYMOND DEL. ADAMS, M.D., *Assistant Professor of Neurology.*

JACOB E. FINESINGER, M.D., *Assistant Professor of Psychiatry.*

HENRY M. FOX, M.D., *Assistant Professor of Psychiatry.*

CHARLES S. KUBIK, M.D., *Assistant Professor of Neurology and Acting Head of the Department of Neurology at the Massachusetts General Hospital.*

WILLIAM G. LENNOX, M.D., S.D., *Assistant Professor of Neurology.*

F. LYMAN WELLS, PH.D., *Assistant Professor of Psychology.*

GRETE L. BIBRING, M.D., *Associate in Psychiatry.*

WILFRED BLOOMBERG, M.D., *Associate in Neurology.*

GAYLORD P. COON, M.D., *Associate in Psychiatry.*

IVES HENDRICK, M.D., *Associate in Psychiatry.*

WILLIAM L. HOLT, M.D., *Associate in Psychiatry.*

M. RALPH KAUFMAN, M.D.C.M., *Associate in Psychiatry. (On leave of absence.) (1946-47)*

ERICH LINDEMANN, M.D., *Associate in Psychiatry.*

MERRILL MOORE, M.D., *Associate in Psychiatry.*

JACKSON M. THOMAS, M.D., *Associate in Psychiatry.*

CHARLES R. ATWELL, A.M., *Instructor in Psychology.*

HENRY M. BAKER, M.D., *Instructor in Psychiatry.*

BERNARD BANDLER, M.D., *Instructor in Psychiatry.*

HERBERT BARRY, JR., M.D., *Instructor in Psychiatry.*

CLEMENS E. BENDA, M.D., *Instructor in Neuropathology.*

CLARENCE A. BONNER, *Instructor in Psychiatry.*

MADELAINE R. BROWN, M.D., *Instructor in Neurology.*

G. COLKET CANER, M.D., *Instructor in Neurology.*

- MANDEL E. COHEN, *Instructor in Neurology.*
 EDWIN M. COLE, M.D., *Instructor in Neurology.*
 FRANK C. D'ELSEAUX, M.D., *Instructor in Psychiatry.*
 SAMUEL H. EPSTEIN, M.D., *Instructor in Neurology.*
 ROBERT E. FLEMING, M.D., *Instructor in Psychiatry.*
 GERTRUDE R. GREENBLATT, M.D., *Instructor in Psychiatry.*
 MILTON GREENBLATT, M.D., *Instructor in Psychiatry.*
 LESTER L. HASENBUSH, M.D., *Instructor in Psychiatry.*
 A. PRICE HEUSNER, M.D., *Instructor in Neurology.*
 PAUL M. HOWARD, M.D., *Instructor in Psychiatry.*
 LUCIE N. JESSNER, M.D., *Instructor in Psychiatry.*
 HARRY L. KOZOL, M.D., *Instructor in Neurology.*
 MAXWELL E. MACDONALD, M.D., *Instructor in Neurology.*
 JOSEPH J. MICHAELS, M.D., *Instructor in Psychiatry.*
 JOST J. MICHELSEN, M.D., *Instructor in Neurology.*
 L. RAYMOND MORRISON, M.D., *Instructor in Neuropathology.*
 OSCAR J. RAEDER, M.D., *Instructor in Psychiatry.*
 AUGUSTUS S. ROSE, M.D., *Instructor in Neurology and Psychiatry.*
 ROBERT S. SCHWAB, M.D., *Instructor in Neurology.*
 ROY L. SWANK, M.D., *Instructor in Neurology.*
 HELEN H. TARTAKOFF, M.D., *Instructor in Psychiatry.*
 KENNETH J. TILLOTSON, M.D., *Instructor in Psychiatry.*
 JOHN B. TOMKINS, M.D., *Instructor in Psychiatry.*
 LAURENCE D. TREVETT, M.D., *Instructor in Psychiatry.*
 HENRY WERMER, M.D., *Instructor in Psychiatry.*
 WILLIAM F. WOOD, M.D., *Instructor in Psychiatry.*
 JAMES M. WOODALL, M.D., *Instructor in Psychiatry.* (1946-47)
 PAUL I. YAKOVLEV, M.D., *Instructor in Neurology and in Psychiatry.*
 (1946-47)
 JOHN A. ABBOTT, M.D., *Assistant in Neurology.*
 HAROLD S. ALBERT, M.D., *Assistant in Psychiatry.* (1946-47)
 RICHARD W. ANDERSON, M.D., *Assistant in Psychiatry.*
 GEORGE BERGLUND, M.D., *Assistant in Neurology.*
 ROBERT B. BIGELOW, M.D., *Assistant in Psychiatry.*
 WINSLOW J. BORKOWSKI, M.D., *Assistant in Psychiatry.*
 SUE E. BROWDER, M.D., *Assistant in Neurology.* (1946-47)
 WALTER E. CAMPBELL, M.D., *Assistant in Psychiatry.* (1946-47)
 WILLIAM F. CAVENESS, M.D., *Assistant in Psychiatry.*
 WILLIAM J. CLAUSER, M.D., *Assistant in Psychiatry.*
 CULLY A. COBB, JR., M.D., *Assistant in Neurology.*
 JOSEPH M. FOLEY, M.D., *Assistant in Neurology.*
 ARTHUR W. FREIDINGER, M.D., *Assistant in Neurology.*

- DON H. FUNKENSTEIN, M.D., *Assistant in Psychiatry.*
 MAX GOLDMAN, M.D., *Assistant in Neurology.*
 PAUL H. HARWOOD, M.D., *Assistant in Psychiatry.* (1946-47)
 ANNA P. HAVEN, M.D., *Assistant in Psychiatry.* (1946-47)
 JANICE HODGES, M.D., *Assistant in Psychiatry.*
 PETER H. KNAPP, M.D., *Assistant in Psychiatry.*
 SIDNEY LEVIN, M.D., *Assistant in Psychiatry.*
 JULIUS LEVINE, M.D., *Assistant in Psychiatry.*
 ROBERT H. MCCARTER, M.D., *Assistant in Psychiatry.*
 JAMES A. MEATH, M.D., *Assistant in Neurology.* (1946-47)
 CECIL MUSHATT, M.D., *Assistant in Psychiatry.*
 HENRY MUSNICK, M.D., *Assistant in Psychiatry.*
 DAVID J. MYERSON, M.D., *Assistant in Psychiatry.*
 ALFRED POPE, M.D., *Assistant in Neuropathology.*
 GARDNER C. QUARTON, M.D., *Assistant in Neurology.*
 IAN P. RAK, M.D., *Assistant in Psychiatry.*
 ELVIN V. SEMRAD, M.D., *Assistant in Psychiatry.*
 JACKSON SMITH, M.D., *Assistant in Psychiatry.*
 WALTER F. STAFFORD, JR., M.D., *Assistant in Neurology.*
 MALWINA STOCK, M.D., *Assistant in Psychiatry.*
 SUZANNE T. VAN AMERONGEN, M.D., *Assistant in Psychiatry.*
 AVERY D. WEISMAN, M.D., *Assistant in Psychiatry.*
 LE MOYNE WHITE, M.D., *Assistant in Psychiatry.*
 MARY A. B. BRAZIER, PH.D., *Research Associate in Neuropathology.*
 SAMUEL WALDFOGEL, PH.D., *Research Associate in Psychiatry.*
 ROBERT E. ARNOT, M.D., *Research Fellow in Psychiatry.*
 HENRY H. BREWSTER, M.D., *Research Fellow in Psychiatry.*
 JOHAN W. H. CAMMERMEYER, M.D., *Research Fellow in Neurology.*
 WILLIAM P. CHAPMAN, M.D., *Research Fellow in Psychiatry.*
 STEPHEN M. CLEMENT, 2D, M.D., *Research Fellow in Neurology.* (1946-47)
 THOMAS L. DELORME, M.D., *Research Fellow in Neurology.*
 MARJORIE HAYES, M.D., *Research Fellow in Psychiatry.*
 JOHN A. KNEIPP, M.D., *Research Fellow in Psychiatry.*
 ISRAEL KOPP, M.D., *Research Fellow in Psychiatry.*
 HENRY H. W. MILES, M.D., *Research Fellow in Psychiatry.*
 LUIS SAENZ-ARROYO, M.D., *Research Fellow in Neurology.*
 HENRICK SEYFFARTH, M.D., *Research Fellow in Neurology.*

NEUROLOGY

REQUIRED COURSES

Second Year.—Clinical lectures are given at the Massachusetts General and Boston City Hospitals to the entire class. The object of the course is to

give the student a general knowledge of the principles of diagnosis and treatment of diseases of the nervous system as a preparation for later work.

Third Year.—Clinical lectures are given in the third year, at the Massachusetts General Hospital and the Boston City Hospital. The members of the class are also required to work in the neurological service at the M.G.H. or B.C.H. in sections during the year. For this work the more didactic teaching of the second year serves as a necessary preparation. The work is practical in character and serves to bring the student into immediate contact with patients.

SECOND YEAR

HOURS

Clinical lectures. Dr. KUBIK, M.G.H., and Dr. DENNY-BROWN, B.C.H. 12

THIRD YEAR

Clinical lectures. Dr. KUBIK, M.G.H., and Dr. DENNY-BROWN, B.C.H.

Last eight Saturdays in first half-year. 12

Section teaching. M.G.H. and B.C.H. *Each student attends ten or eleven two and a half-hour exercises in neurology.* 27

FOURTH YEAR ELECTIVE COURSES

1. Neurology. Dr. KUBIK, M.G.H., and Dr. DENNY-BROWN, B.C.H. Whole course (clerkship), all day.
2. Advanced Neurology. Dr. KUBIK, M.G.H., and Dr. DENNY-BROWN, B.C.H. Special opportunities are offered to those who intend to enter this field of medicine.

NEUROPATHOLOGY

REQUIRED COURSE

NEUROPATHOLOGY A. *Second Year.*—The course consists of lectures, laboratory work, and demonstrations, amounting to fifty-four hours. The lectures introduce conceptions of value for the third year courses in neurology and psychiatry and for the neurological parts of courses in internal medicine and in surgery. Microscopical and gross specimens are studied.

SECOND YEAR

HOURS

Lectures and laboratory work. Staff. *Three times a week, for six weeks.* 54

FOURTH YEAR ELECTIVE COURSE

20. Research. Opportunities for research are available at the laboratories of the M.G.H., B.C.H., and H.M.S. Time and instructor to be arranged with Dr. COBB.

VOLUNTARY COURSES

31. Histopathology of Nervous Diseases. Drs. DENNY-BROWN, and ADAMS. Time to be arranged., November, December, B.C.H.
32. Pathology of the Nervous System. Dr. KUBIK and Associates. Time to be arranged. M.G.H.
33. Neuropathology. Dr. YAKOVLEV. Time to be arranged. Metropolitan State Hospital and Fernald School, Waltham.

PSYCHIATRY

REQUIRED COURSES

First Year.— Medical Psychology. Ten lectures. The course in medical psychology is an introduction to psychiatry, portraying the human individual in his physiological and psychological segments. The foundation is laid for understanding the mechanisms at work in producing a variety of mental disorders and disturbances in behavior. The basis for psychosomatic disorders, psychoneurotic manifestations and psychotic syndromes is discussed.

Second Year.— The course consists of 8 lectures introducing the methods of history-taking and the examination of patients applicable to the study of patients with psychiatric disorders. It is designed to serve as a preparation for the third year, when the student will be in direct contact with patients on the wards of the hospital.

Third Year.— The class is divided into small sections for the clinical study of patients. Each student will be given the opportunity for studying individual cases in the wards of the Boston Psychopathic Hospital. During the second half year clinical lectures will be given once a week at the Boston Psychopathic Hospital. An endeavor will be made to present examples of the most important varieties of mental disorder, with emphasis upon the early recognition of disease, the methods of treatment applicable, including psychotherapy, and the special psychiatric treatment methods. Behavior problems of children will be considered.

Fourth Year.— In the fourth year each student will serve for one month as a clinical clerk at the Boston Psychopathic Hospital, the Massachusetts General Hospital or the McLean Hospital. Opportunity will be available for any who wishes to elect this month's clerkship at the Danvers State Hospital or at the Metropolitan State Hospital. The work will consist of the study of patients with various types of mental disorder both in the wards and out-patient departments of mental hospitals and of the general hospital. Opportunities will be available for experience with psychotherapeutic methods. Emphasis will be placed upon the study of the milder psychiatric syndromes in both children and adults.

FIRST YEAR

HOURS

Lectures on Medical Psychology. Drs. FOX and LINDEMAN. B.P.H. and H.M.S. *Twice a week, for five weeks.* 10

SECOND YEAR

Lectures. Dr. SOLOMON and Associates. 8

THIRD YEAR

Clinical lectures. Drs. SOLOMON and Associates. B.P.H. *Once a week, second half-year.* 13

Section teaching. *Each student attends ten or eleven three-hour exercises.* 32

FOURTH YEAR

C1. Clinical Clerkship. Drs. SOLOMON, COBB, TILLOTSON and WOOD. B.P.H., M.G.H., McLean. 144

FOURTH YEAR ELECTIVE COURSES

4. Psychiatry. Dr. SOLOMON and Associates. Whole course, all day, offered throughout the year. B.P.H.
5. Psychiatry. Dr. COBB and Staff. Clinical clerkships on psychiatric ward and O.P.D. Limited to one student each month. Whole course, all day. M.G.H.

OPHTHALMOLOGY

DAVID G. COGAN, M.D., *Associate Professor of Ophthalmic Research and Director of the Howe Laboratory of Ophthalmology.*

EDWIN B. DUNPHY, M.D., *Henry Willard Williams Clinical Professor of Ophthalmology and Head of the Department.*

PARKER HEATH, M.D., *Clinical Professor of Ophthalmology.*

TRYGVE GUNDERSEN, M.D., *Assistant Professor of Ophthalmology.*

WILLIAM P. BEETHAM, M.D., *Instructor in Ophthalmology.*

RUSSELL LE G. CARPENTER, PH.D., *Instructor in Ophthalmology.*

VIRGIL G. CASTEN, M.D., *Instructor in Ophthalmology.*

PAUL A. CHANDLER, M.D., *Instructor in Ophthalmology.*

MAHLON T. EASTON, M.D., *Instructor in Ophthalmology.*

EDWIN B. GOODALL, M.D., *Instructor in Ophthalmology.* (1946-47)

MERRILL J. KING, M.D., *Instructor in Ophthalmology.*

BRENDAN D. LEAHEY, M.D., *Instructor in Ophthalmology.*

S. FORREST MARTIN, M.D., *Instructor in Ophthalmology.*

HARRY K. MESSENGER, PH.D., M.D., *Instructor in Ophthalmology.*

BENJAMIN SACHS, M.D., *Instructor in Ophthalmology.*

GARRETT L. SULLIVAN, JR., M.D., *Instructor in Ophthalmology.*

- LEONA R. ZACHARIAS, PH.D., *Instructor in Ophthalmic Research.*
 HARRY E. BRACONIER, M.D., *Assistant in Ophthalmology.*
 THOMAS J. CAVANAUGH, M.D.C.M., *Assistant in Ophthalmology.*
 JOSEPH M. CLOUGH, M.D., *Assistant in Ophthalmology.*
 HERMAN P. GROSSMAN, M.D., *Assistant in Ophthalmology.*
 CARL C. JOHNSON, M.D., *Assistant in Ophthalmology.*
 SUMNER D. LIEBMAN, M.D., *Assistant in Ophthalmology.*
 HENRY A. MOSHER, M.D., *Assistant in Ophthalmology.*
 ABRAHAM POLLEN, M.D., *Assistant in Ophthalmology.*
 EARL S. SEALE, M.D., *Assistant in Ophthalmology.*
 ALBERT E. SLOANE, M.D., *Assistant in Ophthalmology.*
 RICHARD B. PIPPITT, M.D., *Research Fellow in Ophthalmology.*

REQUIRED COURSES

First Year. — Instruction in anatomy and physiology of the eye.

Second Year. — Instruction in pathology and pharmacology of the eye, and in optics of the ophthalmoscope.

Third Year. — Instruction in clinical ophthalmology.

THIRD YEAR

HOURS

Eleven clinical exercises. M.E.E.I.	27
Lectures on clinical ophthalmology. H.M.S., <i>second half-year.</i>	5

FOURTH YEAR ELECTIVE COURSES

1. Clinical Ophthalmology. Dr. DUNPHY and Staff. Whole course, mornings, occupying two months. M.E.E.I.
2. Clinical Ophthalmology. Dr. DUNPHY and Staff. Half-course, mornings, occupying one month. Comprises the first month of Ophthalmology 1. M.E.E.I.
3. Introduction to Ophthalmic Research. Howe Laboratory Staff. Whole course, afternoons, occupying two months. Arrangements to be decided upon by Director of Howe Laboratory and the student in each case. M.E.E.I.

Howe Laboratory of Ophthalmology

- DAVID G. COGAN, M.D., *Associate Professor of Ophthalmic Research and Director of the Howe Laboratory of Ophthalmology.*
 V. EVERETT KINSEY, PH.D., *Assistant Professor of Ophthalmic Research.*
 WALTER M. GRANT, M.D., *Associate in Ophthalmic Research.*
 ELEK J. LUDVIGH, 2D, PH.D., *Associate in Ophthalmic Research.*
 MARTIN B. WILLIAMSON, PH.D., *Instructor in Ophthalmic Research.*

(1946-47)

MARY O. AMDUR, PH.D., *Assistant in Ophthalmic Research.*

HENRY F. ALLEN, M.D., *Fellow in Ophthalmic Research.* (1946-47)

ALBERT C. BIEGEL, M.D., *Fellow in Ophthalmic Research.*

CHARLES W. DYSON, M.D., *Fellow in Ophthalmic Research.*

ARNOLD W. FORREST, M.D., *Fellow in Ophthalmic Research.*

ALBERT N. LEMOINE, M.D., *Fellow in Ophthalmic Research* (through Aug. 31, 1946).

CHARLES L. SCHEPENS, M.D., *Fellow in Ophthalmic Research.*

The Howe Laboratory of Ophthalmology was founded in 1927 by the late Dr. Lucien Howe. A sum of money equal to that given by Dr. Howe was donated by the Rockefeller Foundation. Laboratory space was provided by the Massachusetts Eye and Ear Infirmary.

The purpose of the laboratory is to advance ophthalmology; its researches are not restricted to any particular phase of this science. Advantage is taken of the rich clinical material of the Infirmary. While the laboratory is purely an institution for research, the services of the various members of the staff are available for teaching in the Harvard Medical School and for assistance in the clinical work of the Infirmary.

Radiology

MERRILL C. SOSMAN, M.D., *Clinical Professor of Radiology and Head of the Department.*

MAX RITVO, M.D., *Assistant Professor of Radiology.*

EDWARD B. D. NEUHAUSER, M.D., *Associate in Radiology.*

LAWRENCE L. ROBBINS, M.D., *Associate in Radiology.*

RICHARD DRESSER, M.D., *Instructor in Radiology.*

FELIX G. FLEISCHNER, M.D., *Instructor in Radiology.*

CLAYTON H. HALE, M.D., *Instructor in Radiology.* (1946-47)

JAMES R. LINGLEY, M.D., *Instructor in Radiology.* (Resigned Dec. 31, 1946.)

ALEXANDER S. MACMILLAN, M.D., *Instructor in Radiology.*

JOSEPH H. MARKS, M.D., *Instructor in Radiology.*

SAMUEL A. ROBINS, M.D., *Instructor in Radiology.*

RICHARD SCHATZKI, M.D., *Instructor in Radiology.*

MILFORD D. SCHULZ, M.D., *Instructor in Radiology.*

LAWRENCE ANDRESON, M.D., *Assistant in Radiology.*

HENRY P. BREAN, M.D., *Assistant in Radiology.*

J. LAWRENCE GOLDEN, M.D., *Assistant in Radiology.*

JOHN F. GOWDEY, M.D., *Assistant in Radiology.*

TOUFIC H. KALIL, M.D., *Assistant in Radiology.*

ROBERT P. SAGERSON, M.D., *Assistant in Radiology.* (Resigned Dec. 31, 1946.)

MARTIN H. WITTENBERG, M.D., *Assistant in Radiology.*

STANLEY M. WYMAN, M.D., *Assistant in Radiology.*

ARTHUR BURNS, M.D., *Teaching Fellow in Radiology.*

Third Year.—During the third year the following instruction will be offered: (a) five general lectures to the entire class on the heart, the lungs, the gastro-intestinal tract, pediatric x-ray and irradiation therapy, respectively; (b) seven clinical exercises in each trimester for the third of the class taking medicine, for the purpose of correlating clinical and roentgenological findings in major types of examinations; (c) exercises during each trimester for the third of the class taking surgery, involving observation and discussion of x-ray findings on surgical cases under study.

FOURTH YEAR ELECTIVE COURSES

9. Radiology. Drs. ROBBINS, M.G.H., RITVO, B.C.H., SOSMAN, P.B.B.H., NEUHAUSER, C.H., and MARKS, N.E.D.H.

Pediatrics

ALLAN M. BUTLER, M.D., *Professor of Pediatrics and Head of the Department at the Massachusetts General Hospital.*

JAMES L. GAMBLE, M.D., S.M., *Professor of Pediatrics and Chairman of the Department.*

CHARLES A. JANEWAY, M.D., *Thomas Morgan Rotch Professor of Pediatrics and Head of the Department at the Children's Hospital.*

HAROLD C. STUART, M.D., *Professor of Maternal and Child Health.*

BRONSON CROTHERS, M.D., *Clinical Professor of Pediatrics.*

CONRAD WESSELHOEFT, M.D., *Clinical Professor of Infectious Diseases.*

JOHN A. V. DAVIES, M.D., *Assistant Professor of Pediatrics and Instructor in Bacteriology and Immunology.*

LOUIS K. DIAMOND, M.D., *Assistant Professor of Pediatrics.*

WILLIAM G. LENNOX, M.D., *Assistant Professor of Neurology.*

CHARLES D. MAY, M.D., *Assistant Professor of Pediatrics.* (Resigned July 31, 1947.)

CLEMENT A. SMITH, M.D., *Assistant Professor of Pediatrics.*

NATHAN B. TALBOT, M.D., *Assistant Professor of Pediatrics.*

RANDOLPH K. BYERS, M.D., *Associate in Pediatrics.*

STEWART H. CLIFFORD, M.D., *Associate in Pediatrics.*

R. CANNON ELEY, M.D., *Associate in Pediatrics and Communicable Diseases.*

LEWIS W. HILL, M.D., *Associate in Pediatrics.*

RALPH A. ROSS, M.D., *Associate in Pediatrics.*

STUART S. STEVENSON, M.D., *Associate in Child Health.*

WILLIAM BERENBERG, M.D., *Instructor in Pediatrics.*

LEO B. BURGIN, M.D., *Instructor in Pediatrics.*

- RALPH W. DAFFINEE, M.D., *Instructor in Pediatrics.*
RICHARD S. EUSTIS, M.D., *Instructor in Pediatrics.*
HENRY E. GALLUP, M.D., *Instructor in Pediatrics.*
JOSEPH GARLAND, M.D., *Instructor in Pediatrics.*
SYDNEY S. GELLIS, M.D., *Instructor in Pediatrics.*
GERALD N. HOFFEL, M.D., *Instructor in Pediatrics.*
ELIOT HUBBARD, JR., M.D., *Instructor in Pediatrics.*
JOHN P. HUBBARD, M.D., *Instructor in Pediatrics.*
LAWRENCE C. KINGSLAND, M.D., *Instructor in Pediatrics.*
ARTHUR B. LYON, M.D., *Instructor in Pediatrics.*
FRANCIS C. McDONALD, M.D., *Instructor in Pediatrics.*
DOROTHEA M. MOORE, M.D., *Instructor in Pediatrics.*
EDWARD S. O'KEEFE, M.D., *Instructor in Pediatrics.* (1946-47)
EDWARD L. PRATT, M.D., *Instructor in Pediatrics.* (1946-47)
GERTRUD C. REYERSBACH, M.D., *Instructor in Pediatrics.*
ELI C. ROMBERG, M.D., *Instructor in Pediatrics.*
HARRY SHWACHMAN, M.D., *Instructor in Pediatrics.*
LOUIS A. SIERACKI, M.D., *Instructor in Pediatrics.*
ABRAHAM S. SMALL, M.D., *Instructor in Pediatrics.*
LONDON SNEDEKER, M.D., M.P.H., *Instructor in Pediatrics.*
RICHARD C. TEFFT, JR., M.D., *Instructor in Pediatrics.*
WILLIAM J. TURTLE, M.D., *Instructor in Pediatrics.*
LOUIS WEINSTEIN, M.D., *Instructor in Pediatrics.*
EDWIN T. WYMAN, M.D., *Instructor in Pediatrics.*
FRED H. ALLEN, JR., M.D., *Assistant in Pediatrics.*
OLGA E. ALLERS, M.D., *Assistant in Pediatrics.*
ERNA G. ANDERSON, M.D., *Assistant in Pediatrics.* (1946-47)
THOMAS B. BRAZELTON, M.D., *Assistant in Pediatrics.* (1946-47)
JOHN K. BRINES, M.D., *Assistant in Pediatrics.*
JAMES T. CAMERON, M.D., *Assistant in Pediatrics.*
WILLIAM A. DICKSON, M.D., *Assistant in Pediatrics.* (1946-47)
EDWARD C. DYER, M.D., *Assistant in Pediatrics.*
STANTON GARFIELD, M.D., *Assistant in Pediatrics.* (1946-47)
MARTIN GERSHMAN, M.D., *Assistant in Pediatrics.* (1946-47)
NATHAN GORIN, M.D., *Assistant in Pediatrics.*
ALLEN M. HILL, M.D., *Assistant in Pediatrics.*
JOHN P. HUBBELL, M.D., *Assistant in Pediatrics.*
THEODORE H. INGALLS, M.D., *Assistant in Pediatrics.* (1946-47)
ROBERT KAYE, M.D., *Assistant in Pediatrics.*
ANNA K. KIEHL, M.D., *Assistant in Pediatrics.*
JOSEPH L. LEWIS, M.D., *Assistant in Pediatrics.*
DONALD E. McLEAN, M.D., *Assistant in Pediatrics.*

- DARIO MORELLI, M.D., *Assistant in Pediatrics.*
 ROBERT T. MOULTON, M.D., *Assistant in Pediatrics.*
 HARRY L. MUELLER, M.D., *Assistant in Pediatrics.*
 JOSEPH OSBORNE, M.D., *Assistant in Pediatrics.*
 SAM M. POWELL, M.D., *Assistant in Pediatrics.* (1946-47)
 HENRY M. PUTNAM, M.D., *Assistant in Pediatrics.*
 FREDERICK C. ROBBINS, M.D., *Assistant in Pediatrics*
 WILLIAM McL. WALLACE, M.D., *Assistant in Pediatrics.*
 PATRICIA WANNING, M.D., *Assistant in Pediatrics.*
 GEORGE W. WARING, JR., M.D., *Assistant in Pediatrics.*
 JAMES P. WHITTEMORE, M.D., *Assistant in Pediatrics.* (1946-47)
 ELEANORE C. ZAUDY, M.D., *Assistant in Pediatrics.*
 JEAN P. DAVIS, M.D., *Research Fellow in Pediatrics.*
 LEONARD P. ELIEL, M.D., *Research Fellow in Pediatrics.*
 CONSTANCE E. FIELD, M.D., *Research Fellow in Pediatrics.*
 LYTT I. GARDNER, M.D., *Research Fellow in Pediatrics.*
 NILO O. B. HALLMAN, M.D., *Research Fellow in Pediatrics.*
 DONALD HARTING, M.D., *Research Fellow in Pediatrics.*
 ELSIE A. MACLACHLAN, S.B., *Research Fellow in Pediatrics.*
 NICHOLAS H. MARTIN, M.D., *Research Fellow in Pediatrics.* (1946-47)
 EDITH MEYER, PH.D., *Research Fellow in Pediatrics.*
 FREDERIC C. MOLL, M.D., *Milton Fellow.*
 GRETCHEN H. MOLL, M.D., *Research Fellow in Pediatrics.*
 WALTER PICK, M.D., *Research Fellow in Pediatrics.*
 EDNA H. SOBEL, M.D., *Research Fellow in Pediatrics.*
 VICTOR C. VAUGHAN, 3D, M.D., *Research Fellow in Pediatrics.*
 THOMAS H. WELLER, M.D., *Research Fellow in Pediatrics.*
 JAMES A. WOLFF, M.D., *Research Fellow in Pediatrics.*
 ANIELA S. ZYGMUNTOWICZ, A.B., *Research Fellow in Pediatrics.*

REQUIRED COURSES

Second Year. — Lectures are given during the second year to familiarize the students with the study of children's diseases before they come into contact with patients. In this series are discussed the physiology of nutrition and the principles of infant feeding, the anatomical and physiological differences between children and adults, a consideration of the normal growth and development of children and the physiology and pathology of extracellular body fluids.

Third Year. — 1. Eight whole class exercises are given during the first half-year, in which the more important aspects of the diseases of childhood are presented. Three whole class lectures, on special subjects, are assigned to pediatrics by the Department of Medicine.

2. Section teaching: Each section, during its assignment to the Children's Hospital for thirty-two days, receives correlated instruction in pediatrics, surgery, and orthopaedic surgery. The students are assigned to the out-patient department for eleven periods (three hours each) where under the supervision of instructors they receive actual experience in history taking, physical examination and the care of infants and children. Conference hours are held for examination and care of the normal infant and child and certain aspects of pediatrics illustrated by didactic talks, by demonstration, by quizzes on assigned reading, and by presentation of cases by the students. Five afternoon exercises during each period are devoted to the study of contagious diseases in the Isolation Division of the Children's Hospital and at the Haynes Memorial Hospital for Contagious Diseases.

Fourth Year.—The fourth year work consists of instruction at the Children's Hospital and the Infants' Hospital, or at the Children's Department of the Massachusetts General Hospital. The students act as clinical clerks. Instruction in contagious diseases is given at the Children's Hospital and at the Haynes Memorial Hospital.

SECOND YEAR	HOURS
Clinical Lectures. C.H. <i>Second half-year.</i>	9

THIRD YEAR	
Clinical Lectures. C.H. <i>First half-year.</i>	8
Section Teaching. C.H. and I.H. <i>Throughout the year.</i>	63

FOURTH YEAR	
C1. Clinical clerkship. Dr. JANEWAY and Associates. C.H. and I.H.	144
C2. Clinical clerkship. Dr. BUTLER and Associates. M.G.H.	144

FOURTH YEAR ELECTIVE COURSES

3. Advanced Pediatrics. Dr. JANEWAY and Associates. C.H. and I.H. and the Haynes Memorial Hospital. Whole course, all day.
4. Advanced Pediatrics. Dr. BUTLER and Associates. MGH. Whole-course all day.
6. Advanced Pediatrics (Infectious Diseases). Dr. WESSELHOEFT and Dr. WEINSTEIN. Haynes Memorial Hospital. Whole course, all day.

Obstetrics

DUNCAN E. REID, M.D., *William Lambert Richardson Professor of Obstetrics and Head of the Department.*

FRANKLIN F. SNYDER, M.D., *Associate Professor of Anatomy and Obstetrics.*

FOSTER S. KELLOGG, M.D., *Clinical Professor of Obstetrics*. (Resigned Dec. 31, 1946.)

JOHN ROCK, M.D., *Clinical Professor of Gynaecology*.

THOMAS R. GOETHALS, M.D., *Assistant Professor of Obstetrics*.

ARTHUR T. HERTIG, M.D., *Assistant Professor of Obstetrics and of Pathology*.

DELOS J. BRISTOL, JR., M.D., *Instructor in Obstetrics*. (Resigned Dec. 31, 1946.)

M. FLETCHER EADES, M.D., *Instructor in Obstetrics*.

A. GORDON GAULD, M.D., *Instructor in Obstetrics and in Gynaecology*.

THOMAS W. GRZEBIEN, M.D., *Instructor in Obstetrics*.

PAUL GUSTAFSON, M.D., *Instructor in Obstetrics*.

SAMUEL B. KIRKWOOD, M.D., *Instructor in Obstetrics and in Gynaecology*.

H. BRISTOL NELSON, M.D., *Instructor in Obstetrics*.

JOHN L. NEWELL, M.D., *Instructor in Obstetrics*.

ALFRED L. POTTER, M.D., *Instructor in Obstetrics*.

FRANCIS ROUILLARD, M.D., *Instructor in Obstetrics*.

CHARLES P. SHELDON, M.D., *Instructor in Obstetrics*.

JUDSON A. SMITH, M.D., *Instructor in Obstetrics*.

JOHN G. WALSH, M.D., *Instructor in Obstetrics*.

GEORGE W. WATERMAN, M.D., *Instructor in Obstetrics*.

DANIEL ABRAMSON, M.D., *Assistant in Obstetrics*.

ROBERT H. BARKER, M.D., *Assistant in Obstetrics*.

JOHN A. COYNE, M.D., *Assistant in Obstetrics*.

GENE A. CROCE, M.D., *Assistant in Obstetrics*.

LUKE GILLESPIE, M.D., *Assistant in Obstetrics and in Gynaecology*.

LEE GRAY, M.D., *Assistant in Obstetrics*. (1946-47)

DANIEL H. HINDMAN, M.D., *Assistant in Obstetrics*.

CRAWFORD H. HINMAN, M.D., *Assistant in Obstetrics*.

FRANCIS R. LANE, M.D., *Assistant in Obstetrics*.

HERBERT T. LEIGHTON, M.D., *Assistant in Obstetrics*. (1946-47)

WILLIAM J. MULLIGAN, M.D., *Assistant in Obstetrics and in Gynaecology*.

WESTON F. SEWALL, M.D., *Assistant in Obstetrics*.

CHARLES S. STEVENSON, M.D., *Assistant in Obstetrics*.

WILLIAM O. THOMAS, M.D., *Assistant in Obstetrics*.

ARTHUR W. TUCKER, JR., M.D., *Assistant in Obstetrics and in Gynaecology*.

GEORGE L. TULLY, JR., M.D., *Assistant in Obstetrics*. (1946-47)

ROSCOE L. WALL, JR., *Assistant in Obstetrics*.

ALLEN P. WINSOR, M.D., *Assistant in Obstetrics*.

WILLIAM L. CATON, M.D., *Research Fellow in Obstetrics*.

JOAN W. CUMMER, B.S., *Research Fellow in Obstetrics*.

CHARLES C. ROBY, PH.D., *Research Fellow in Obstetrics*.

LOYD I. SEXTON, M.D., *Research Fellow in Obstetrics*.

REQUIRED COURSES

Third Year.—Students are assigned for a period of two weeks to the Boston Lying-in Hospital and the Providence Lying-in Hospital. Each student will have an opportunity to study the care of pregnancy in the pregnancy clinic. Instruction will be given in pelvimetry and in diagnosis of presentation and position of internal and external examination. Under a special instructor, considerable time will be devoted to conferences on normal obstetrics. As time permits, the student will attend special clinics at the Hospital. During his third and fourth year, the student, under supervision, will take charge of 8-12 patients during their labor.

Fourth Year.—This course takes one month of the regular fourth year curriculum. It will be given at the Boston Lying-in Hospital. During one third of the course the student will lodge at the Hospital and devote his time chiefly to attendance on cases in the Hospital. In the course of this work he will be called on to assist at operations and will be expected to make ward visits with the physician on duty in the Hospital. In the other part of the course he will continue to conduct the convalescence of the cases delivered by him during his resident service, and make daily ward visits at which clinical instruction will be given in the general management of normal and abnormal labor, in the study of the puerperal convalescence, and in the care of the young infant. Each student will be assigned normal cases in the Hospital to follow through labor and the puerperium, and a complicated case on which he will take a history, make a physical examination and present a report at the student conferences. His clinical work will be done under the supervision of the department and of the hospital staff on duty, and he will receive careful instruction in the proper methods of delivery and care during convalescence. Case teaching both in the morning and afternoon during the week will be an important feature of the course. A written report on one of the complications of pregnancy will be required of each student. The student will also be given a course of demonstrations in operative obstetrics during his resident service, and each student will have an opportunity to perform the different operations on the manikin. Instruction in obstetrical pathology will be an important part of the course.

SECOND YEAR

HOURS

Lectures on Normal Obstetrics. Dr. REID and Staff. H.M.S. *Three times a week for four weeks.*

12

THIRD YEAR

Lectures on Abnormal Obstetrics. Dr. REID and Associates. H.M.S. *Saturday mornings for twenty-four weeks.*

24

Practical instruction in Clinical Obstetrics by members of the Department. *Throughout the year.*

104

FOURTH YEAR

CI. General Obstetrics. Dr. REID and Associates. Practical instruction, in sections, in Clinical Obstetrics. *One month.*

144

VOLUNTARY COURSE

30. Sex Hygiene in the Practice of Medicine. Dr. ROCK. Tuesdays, 3.30 P.M., *offered one month during the year*, H.M.S.

Preventive Medicine

DAVID D. RUTSTEIN, M.D., *Professor of Preventive Medicine and Head of the Department.*

W. LLOYD AYCOCK, M.D., *Associate Professor of Preventive Medicine and Hygiene.*

GILCIN F. MEADORS, JR., M.D., M.P.H., *Instructor in Preventive Medicine.*

PREVENTIVE MEDICINE

The preventive aspects of medicine and its various specialties are taught in all departments of the Medical School, and arrangements are made for the integration of such teaching with the more formal teaching in the required course in preventive medicine. An effort is made to stress those aspects of preventive medicine which concern the practicing physician, rather than those which concern the public health officer.

REQUIRED COURSE

PREVENTIVE MEDICINE A. *Third Year.* The course in preventive medicine consists of clinics, lectures, demonstrations and a health survey. The preventive aspects of clinical medicine are correlated with information in the fields of epidemiology, social medicine, industrial medicine and medical economics.

THIRD YEAR

HOURS

Clinics, lectures and demonstrations. Drs. RUTSTEIN, AYCOCK and Staff, in coöperation with representatives of other departments. Once a week, throughout the year.

135

VOLUNTARY COURSES

31. Advanced Work in Preventive Medicine and Epidemiology. Dr. RUTSTEIN and Associates. The department offers opportunity for special study in field and laboratory. Tuesday and Thursday afternoons throughout the year. Students will be accepted after consultation with the staff of the department.

Surgery

Under this Division are included Surgery and the specialties relating chiefly to Surgery: — Genito-Urinary Surgery, Gynaecology, Orthopaedic Surgery, Otolaryngology, and Anaesthesia.

SURGERY

- HENRY K. BEECHER, M.D., *Henry Isaiah Dorr Professor of Research in Anaesthesia.*
- EDWARD D. CHURCHILL, M.D., DR. (hon. caus.), *John Homans Professor of Surgery and Head of the Department at the Massachusetts General Hospital.*
- ELLIOTT C. CUTLER, M.D., DR. (hon. caus.), S.D., F.R.C.S. (Eng.); F.R.C.S. (Edin.), F.R.S.M. (Lond.), *Moseley Professor of Surgery and Head of the Department at the Peter Bent Brigham Hospital. (Deceased Aug. 16, 1947)*
- ROBERT E. GROSS, M.D., *William E. Ladd Professor of Child Surgery and Head of the Department at the Children's Hospital.*
- THOMAS H. LANMAN, M.D., *Clinical Professor of Surgery.*
- CHARLES G. MIXTER, M.D., *Clinical Professor of Surgery and Head of the Department at the Beth Israel Hospital.*
- FRANCIS C. NEWTON, M.D., *Clinical Professor of Surgery.*
- WILLIAM C. QUINBY, M.D., *Clinical Professor of Genito-Urinary Surgery, Emeritus and Acting Head of the Department at the Peter Bent Brigham Hospital.*
- ARTHUR W. ALLEN, M.D., S.D., *Lecturer on Surgery.*
- GEORGE G. SMITH, M.D., *Lecturer on Genito-Urinary Surgery.*
- OLIVER COPE, M.D., *Assistant Professor of Surgery.*
- J. ENGLEBERT DUNPHY, M.D., *Assistant Professor of Surgery.*
- JACOB FINE, M.D., *Assistant Professor of Surgery.*
- J. HARTWELL HARRISON, M.D., *Assistant Professor of Genito-Urinary Surgery.*
- FRANC D. INGRAHAM, M.D., *Assistant Professor of Surgery.*
- CHARLES C. LUND, M.D., *Assistant Professor of Surgery.*
- LELAND S. MCKITTRICK, M.D., *Assistant Professor of Surgery.*
- FRANCIS D. MOORE, M.D., *Assistant Professor and Tutor in Surgery.*
- DONALD MUNRO, M.D., *Assistant Professor of Neurological Surgery.*
- IRA T. NATHANSON, M.D., *Assistant Professor of Surgery.*
- STANLEY J. G. NOWAK, M.D., *Assistant Professor of Surgery.*
- FIORINDO A. SIMEONE, M.D., *Assistant Professor of Surgery.*
- CARL W. WALTER, M.D., *Assistant Professor of Surgery.*
- JAMES C. WHITE, M.D., *Assistant Professor of Surgery.*
- BRADFORD CANNON, M.D., *Associate in Surgery.*

- FLETCHER H. COLBY, M.D., *Associate in Surgery.*
 HENRY H. FAXON, M.D., *Associate in Surgery.*
 EDWARD HAMLIN, JR., M.D., *Associate in Surgery.*
 STANLEY O. HOERR, *Associate in Surgery.* (Resigned June 30, 1947.)
 ROBERT R. LINTON, M.D., *Associate in Surgery.*
 DONALD W. MACCOLLUM, M.D., *Associate in Surgery.*
 HARLAN F. NEWTON, M.D., *Associate in Surgery.*
 GEORGE C. PRATHER, M.D., *Associate in Genito-Urinary Surgery.*
 THOMAS B. QUIGLEY, M.D., *Associate in Surgery.*
 RICHARD H. SWEET, M.D., *Associate in Surgery.*
 WILLIAM H. SWEET, M.D., *Associate in Surgery.*
 ORVAR SWENSON, M.D., *Associate in Surgery.*
 GRANTLEY W. TAYLOR, M.D., *Associate in Surgery.*
 AUGUSTUS THORNDIKE, M.D., *Associate in Surgery.*
 RICHARD WARREN, M.D., *Associate in Surgery.*
 JULIA G. ARROWOOD, M.D., *Instructor in Anaesthesia.* (Resigned Dec. 31, 1946.)
 GEORGE AUSTEN, JR., M.D., *Instructor in Genito-Urinary Surgery.*
 MARSHALL K. BARTLETT, *Instructor in Surgery.*
 EDWARD JAMES BEATTIE, JR., M.D., *Instructor in Surgery.* (1946-47)
 EDWARD B. BENEDICT, M.D., *Instructor in Surgery.*
 DAVID D. BERLIN, M.D., *Instructor in Surgery.*
 JAMES B. BLODGETT, M.D., *Instructor in Surgery.*
 THOMAS W. BOTSFORD, M.D., *Instructor in Surgery.*
 JAMES B. CAMPBELL, M.D., *Instructor in Surgery.*
 DAVID W. COMPTON, M.D., *Instructor in Anaesthesia.*
 CHILTON CRANE, M.D., *Instructor in Surgery.*
 GEORGE D. CUTLER, M.D., *Instructor in Surgery.*
 ERNEST M. DALAND, M.D., *Instructor in Surgery.*
 HOWARD A. FRANK, M.D., *Instructor in Surgery.*
 JOHN W. D. GARRETT, M.D., *Instructor in Anaesthesia.*
 LEE G. KENDALL, M.D., *Instructor in Surgery.*
 ERNEST K. LANDSTEINER, M.D., *Instructor in Genito-Urinary Surgery.*
 (1946-47)
 JOHN B. MCKITTRICK, *Instructor in Surgery.*
 ROBERT S. MYERS, M.D., *Instructor in Surgery.*
 LOUIS H. NASON, M.D., *Instructor in Surgery.*
 C. LANGDON PARSONS, M.D., *Instructor in Surgery.*
 A. WILLIAM REGGIO, M.D., *Instructor in Surgery.* (1946-47)
 HORATIO ROGERS, M.D., *Instructor in Surgery.*
 FREDERICK P. ROSS, M.D., *Instructor in Surgery.*
 LAMAR SOUTTER, M.D., *Instructor in Surgery.*

- ARNOLD STARR, M.D., *Instructor in Surgery.*
HOWARD ULFELDER, M.D., *Instructor in Surgery.*
CLAUDE E. WELCH, M.D., *Instructor in Surgery.*
MORRIS ABRAMS, M.D., *Assistant in Genito-Urinary Surgery.*
EBEN ALEXANDER, JR., M.D., *Assistant in Surgery.*
ALBERT B. ANDERSON, M.D., *Assistant in Surgery.*
FRANKLIN G. BALCH, JR., M.D., *Assistant in Surgery.* (1946-47)
ALEXANDER H. BILL, JR., M.D., *Assistant in Surgery.*
BERNARD BLOM, M.D., *Assistant in Genito-Urinary Surgery.* (1946-47)
HATHORN P. BROWN, M.D., *Assistant in Surgery.*
RICHARD CHUTE, M.D., *Assistant in Genito-Urinary Surgery.*
HENRY W. CLATWORTHY, JR., *Assistant in Surgery.*
GORDON A. DONALDSON, M.D., *Assistant in Surgery.*
FRANCIS F. FOLDES, M.D., *Assistant in Anaesthesia.*
CLIFFORD C. FRANSEEN, M.D., *Assistant in Surgery.*
W. PHILIP GIDDINGS, M.D., *Assistant in Surgery.*
SAMUEL GILMAN, M.D., *Assistant in Anaesthesia.*
PETER B. GOLDEN, M.D., *Assistant in Surgery.*
LORYE E. HACKWORTH, M.D., *Assistant and Arthur Tracy Cabot Fellow in Surgery.* (1946-47)
E. PARKER HAYDEN, M.D., *Assistant in Surgery.*
RODOLFO E. HERRERA, M.D., *Assistant in Surgery.* (1946-47)
BERT B. HERSHENSON, M.D., *Assistant in Anaesthesia.*
ROBERT S. HORMELL, M.D., *Assistant in Surgery.* (1946-47)
HENRY F. HOWE, M.D., *Assistant in Surgery.* (Resigned Sept. 6, 1946.)
HENRY W. HUDSON, JR., M.D., *Assistant in Surgery.*
DAVID M. HUME, M.D., *Assistant in Surgery.* (1946-47)
NATHANIEL KENIGSBURG, M.D., *Assistant in Surgery.* (1946-47)
JOHN J. KNEISEL, M.D., *Assistant in Surgery.* (1946-47)
WYLAND F. LEADBETTER, M.D., *Assistant in Genito-Urinary Surgery.*
FIELD C. LEONARD, M.D., *Assistant in Surgery.* (Resigned Sept. 30, 1946.)
WALTER S. LEVENSON, M.D., *Assistant in Surgery.*
SAMUEL LEWIS, M.D., *Assistant in Surgery.*
SIDNEY B. LURIA, M.D., *Assistant in Surgery.* (1946-47)
PATRICK J. MAHONEY, M.D., *Assistant in Surgery.*
LEON H. MANNHEIMER, M.D., *Assistant in Surgery.*
CLAUD E. MCGAHEY, M.D., *Assistant in Surgery.* (Resigned Oct. 1, 1946.)
CARROLL C. MILLER, M.D., *Assistant in Surgery.*
CHARLES G. MIXTER, JR., *Assistant in Surgery.*
S. RICHARD MUELLNER, M.D., *Assistant in Genito-Urinary Surgery.*
LAWRENCE K. PICKETT, M.D., *Assistant in Surgery.* (1946-47)
ARNOLD PORTER, M.D., *Assistant in Surgery.*

- EUGENE F. POUTASSE, M.D., *Assistant in Surgery*. (1946-47)
THOMAS S. RISLEY, M.D., *Assistant in Surgery*.
CHARLES W. ROBERTSON, M.D., *Assistant in Surgery*. (1946-47)
J. GORDON SCANNELL, M.D., *Assistant in Surgery*.
JOHN B. SEARS, M.D., *Assistant in Surgery*.
ARNOLD L. SEGAL, M.D., *Assistant in Surgery*.
BERTRAM SELVERSTONE, M.D., *Assistant in Surgery*.
GERALD SHORTZ, M.D., *Assistant in Anaesthesia*. (Resigned Nov. 30, 1946.)
ROBERT M. SMITH, M.D., *Assistant in Anaesthesia*.
HOWARD I. SUBY, M.D., *Assistant in Genito-Urinary Surgery*.
JAMES J. THOMAS, M.D., *Assistant in Surgery*. (Resigned Mar. 5, 1947.)
BURDETTE E. TRICHEL, M.D., *Assistant in Surgery*. (Resigned Sept. 30, 1947)
RICHARD H. WALLACE, M.D., *Assistant in Surgery*.
WILLIAM A. WEISS, M.D., *Assistant in Surgery*.
GEORGE F. WILKINS, M.D., *Assistant in Surgery*.
ARNOLD M. SELIGMAN, M.D., *Research Associate in Surgery*.
C. LLOYD CLAFF, A.B., *Research Fellow in Surgery*.
JANE E. DENTON, M.D., *Research Fellow in Anaesthesia*.
BROWN McI. DOBYNS, M.D., PH.D., *Research Fellow in Surgery*.
THEODORE DUNHAM, JR., M.D., PH.D., *Henry E. Warren Fellow in Surgery*.
DAVID GAMSU, M.D., *Research Fellow in Surgery*.
CHARLES A. HUFNAGEL, M.D., *Research Fellow in Surgery*.
HENRI L. M. LeBRIGAND, M.D., *Research Fellow in Surgery*. (Resigned Feb. 18, 1947.)
JOHN LU, M.D., *Research Fellow in Surgery*.
CHARLES A. MACGREGOR, M.D., *Arthur Tracy Cabot Fellow in Surgery*.
KEITH MERRILL, JR., M.D., *Research Fellow in Surgery*.
ANDRE MONSAINGEON, M.D., *Research Fellow in Surgery*. (Resigned Sept. 11, 1946.)
DOREEN NIGHTINGALE, M.B., *Research Fellow in Surgery*.
EDMUND C. PEIRCE, 2D, M.D., *Milton Fellow*.
JOHN E. RICHARDSON, M.D., *Research Fellow in Surgery*.
FRANCIS F. RUNDLE, M.D., *Research Fellow in Surgery*. (Resigned Aug. 31, 1947)
STANLEY J. SARNOFF, M.D., *Research Fellow in Surgery*. (Resigned Dec. 31, 1946.)
ROBERT A. SEARS, M.D., *Research Fellow in Surgery*.
OLIVER H. STRAUS, M.D., *Research Fellow in Anaesthesia*.
MARCEL VERZEANO, M.D., *Research Fellow in Anaesthesia*.
HANS H. WANDALL, M.D., *Research Fellow in Surgery*. (1946-47)
EUGENE L. WATKINS, M.D., *Research Fellow in Surgery*.
ROBERT P. WOODS, M.D., *Research Fellow in Surgery*.

REQUIRED COURSES

Instruction will be given by amphitheatre clinics, lectures, and conferences, together with section teaching in the wards and out-patient departments of the hospitals and in the surgical research laboratories. Elective and voluntary courses will be given in the laboratories of the Harvard Medical School and in the wards and operating rooms of the hospitals.

Second Year. — The course is designed to prepare the student for his hospital contact with patients. Instruction will be given by clinical lectures and section work in the various hospitals and laboratories. The course will cover the general principles of surgical treatment, surgical technique, and an introduction to clinical surgery. The clinical exercises are closely correlated with the exercises in physical diagnosis and laboratory medicine given by the Department of Medicine affording unified instruction in case taking.

Third Year. — The course is conducted largely in the out-patient departments of the hospitals affiliated with the School. The students are divided into three groups, each group in rotation being apportioned to one of the hospitals affiliated with the School for instruction in surgery over a sixty-four-day period. During this period they will study general surgery and urology at the hospital to which they are assigned, and will also receive instruction in gynaecology at the Free Hospital for Women and the Massachusetts General Hospital and in laryngology at the Massachusetts Eye and Ear Infirmary. Instruction in the surgery of children is given during the pediatric section work at the Children's Hospital. Opportunity for experience in surgical operative technics is offered in Voluntary Course 32 that may be taken in conjunction with section work.

Fourth Year. — A series of not less than two months as clinical clerk in the surgical wards of the M.G.H., P.B.B.H., C.H., or B.I.H. is required of each student. Surgery C5 is limited to qualified students and applications are to be made in person.

Each student, before graduation, is required to administer ten inhalation (ether) anaesthetics and is responsible for charting the course of five patients during local or spinal anaesthesia.

SECOND YEAR

HOURS

Lectures and demonstrations on the fundamental aspects of clinical surgery. Drs. CHURCHILL, QUINBY, and Associates. M.G.H. and P.B.B.H.
Second half-year.

15

Section work. Clinical and technical exercises, M.G.H., P.B.B.H., and B.I.H.

Each student has twenty-four exercises.

84

THIRD YEAR

- Amphitheatre lectures. Drs. CHURCHILL, QUINBY, and Associates. *Once a week throughout the year.* 32
- Exercises in sections in the wards and out-patient departments at the M.G.H., P.B.B.H., and B.I.H. *Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.* 116
- Genito-Urinary Surgery. Lectures. *Second half-year.* 6
- Section work. M.G.H., P.B.B.H., and B.I.H. *Each student has ten or eleven two-and-a-half-hour exercises.* 27
- Children's Surgery. Section work. C.H. *Each student has four one-and-a-half-hour exercises, eleven one-hour exercises, and five two-hour exercises.* 27

FOURTH YEAR

- Clinical clerkship at M.G.H. (Surgery C₁, Dr. CHURCHILL and Associates), P.B.B.H. (Surgery C₃, Dr. QUINBY and Associates), B.I.H. (Surgery C₄, Dr. MIXTER and Associates), and C.H. (Surgery C₅, Children's Surgery, Dr. GROSS and Associates). 288 or 432

FOURTH YEAR ELECTIVE COURSES

8. Genito-Urinary Surgery. Dr. HARRISON. P.B.B.H. Whole course, all day. Limited to two students each month.
9. Anaesthesia. Dr. BEECHER. M.G.H. Whole course, all day. Attendance limited. Applications to be made in person.
10. Neurosurgery. Dr. J. C. WHITE and Associates. M.G.H. Whole course, all day, limited to two students each month. Clinical clerkship on the neurosurgical wards. Apply to Dr. WHITE.
20. Surgical Investigation. H.M.S. Laboratory for Surgical Research. Whole course, all day. Dr. WALTER and Associates.
21. Surgical Investigation. Dr. CHURCHILL and Associates. M.G.H. Whole course, all day.

VOLUNTARY COURSES

31. Clinical Applied Anatomy. Drs. CHURCHILL, QUINBY, and Associates. Saturdays, 9 to 10 A.M., coincident with Anatomy. M.G.H. and P.B.B.H. Open to first year students. (Same course as Anatomy 30.)

32. Surgical Technique. Members of the third year class may register for the following courses in surgical technique at the hospital to which they have been assigned for their section work.
1. Operative Technique. Dr. JOHN B. MCKITTRICK and Associates. Tuesday afternoons throughout the year. Surgical Laboratories, M.G.H. May only be taken coincidentally with section work.
 2. Operative Technique. Dr. CARL W. WALTER and Associates. Thursday afternoons during the Second Trimester. Laboratory for Surgical Research, H.M.S. Apply to Dr. Walter during November.
 3. Operative Technique. Dr. WALTER S. LEVENSON and Associates. Thursday afternoons throughout the year. Surgical Research Laboratory, B.I.H.
33. Anaesthesia. M.G.H. Dr. BEECHER. Monthly, all day. Open to third year students. Attendance limited. Apply to Dr. BEECHER.

GYNAECOLOGY

GEORGE VAN S. SMITH, M.D., *W. H. Baker Professor of Gynaecology and Head of the Department.*

JOE V. MEIGS, M.D., *Clinical Professor of Gynaecology.*

JOHN ROCK, M.D., *Clinical Professor of Gynaecology.*

CHRISTOPHER J. DUNCAN, M.D., *Instructor in Gynaecology.*

A. GORDON GAULD, M.D., *Instructor in Gynaecology and Obstetrics.*

SAMUEL B. KIRKWOOD, M.D., *Instructor in Gynaecology and Obstetrics.*

SOMERS H. STURGIS, M.D., *Instructor in Gynaecology.*

PAUL A. YOUNGE, M.D., *Instructor in Gynaecology.*

WILLIAM B. BACON, M.D., *Assistant in Gynaecology.*

PATRICIA S. BENEDICT, M.D., *Assistant in Gynaecology.*

LUKE GILLESPIE, M.D., *Assistant in Gynaecology and Obstetrics.*

FRANCIS McC. INGERSOLL, M.D., *Assistant in Gynaecology.*

GEORGE D. KRUMBHAAR, M.D., *Assistant in Gynaecology.*

WILLIAM T. MULLIGAN, M.D., *Assistant in Gynaecology and Obstetrics.*

JOSEPH H. PHILLIPS, M.D., *Assistant in Gynaecology.*

EDWARD B. SHEEHAN, M.D., *Assistant in Gynaecology.*

FRED A. SIMMONS, M.D., *Assistant in Gynaecology.*

RAYMOND S. TITUS, M.D., *Assistant in Gynaecology. (1946-47)*

ARTHUR W. TUCKER, JR., M.D., *Assistant in Gynaecology and Obstetrics.*

REQUIRED COURSE

Third Year. — Instruction is given by lectures and clinical teaching in the wards and out-patient departments of the Free Hospital for Women and the Massachusetts General Hospital. The student is instructed in the examination, diagnosis, and treatment of gynaecological disease.

THIRD YEAR

HOURS

Lectures. Drs. SMITH, MEIGS and ROCK. H.M.S.

6

Clinical exercises. Drs. DUNCAN, SHEEHAN, ROCK, PHILLIPS, and YOUNGE, F.H.W., and Drs. MEIGS, INGERSOLL, STURGIS, SIMMONS, BENEDICT, and TITUS, M.G.H. *In sections, throughout the year. Each student attends ten or twelve exercises.*

27

FOURTH YEAR ELECTIVE COURSE

1. Clinical Course. Drs. SMITH, ROCK, SHEEHAN, DUNCAN, YOUNGE and PHILLIPS. F.H.W. Gynaecological pathology included, by Dr. ARTHUR T. HERTIG and Assistants. Full course, one month, all day, offered throughout the year.

ORTHOPAEDIC SURGERY

JOSEPH S. BARR, M.D., *Clinical Professor of Orthopaedic Surgery and Head of the Department at the Massachusetts General Hospital.*

WILLIAM T. GREEN, M.D., *Clinical Professor of Orthopaedic Surgery and Head of the Department at the Children's Hospital.*

ALBERT H. BREWSTER, M.D., *Associate in Orthopaedic Surgery.*

EDWIN F. CAVE, M.D., *Associate in Orthopaedic Surgery.*

G. KENNETH COONSE, M.D., *Associate in Orthopaedic Surgery.*

LLOYD T. BROWN, M.D., *Instructor in Orthopaedic Surgery. (1946-47)*

DAVID S. GRICE, M.D., *Instructor in Orthopaedic Surgery.*

ARMIN KLEIN, M.D., *Instructor in Orthopaedic Surgery.*

JOHN G. KUHN, M.D., *Instructor in Orthopaedic Surgery and Anatomy.*

ROBERT H. MORRIS, M.D., *Instructor in Orthopaedic Surgery.*

WILLIAM A. ROGERS, M.D., *Instructor in Orthopaedic Surgery.*

LORING T. SWAIM, M.D., *Instructor in Orthopaedic Surgery. (1946-47)*

GEORGE W. VAN GORDER, M.D., *Instructor in Orthopaedic Surgery.*

OTTO E. AUFRANC, M.D., *Assistant in Orthopaedic Surgery.*

THOMAS F. BRODERICK, JR., M.D., *Assistant in Orthopaedic Surgery.*

WILLIAM A. ELLISTON, B.M., B.Ch., *Assistant in Orthopaedic Surgery.*

THOMAS D. GUCKER, 3D, M.D., *Assistant in Orthopaedic Surgery.*

PAUL W. HUGENBERGER, M.D., *Assistant in Orthopaedic Surgery.*

ROBERT J. JOPLIN, M.D., *Assistant in Orthopaedic Surgery.*

MEIER G. KARP, M.D., *Assistant in Orthopaedic Surgery.*

RAYMOND F. KUHLMAN, M.D., *Assistant in Orthopaedic Surgery.*

CARROLL B. LARSON, M.D., *Assistant in Orthopaedic Surgery.*

PAUL L. NORTON, M.D., *Assistant in Orthopaedic Surgery.*

EUGENE E. RECORD, M.D., *Assistant in Orthopaedic Surgery.*

JOHN A. REIDY, M.D., *Assistant in Orthopaedic Surgery.*

FREDERIC W. RHINELANDER, 2D, M.D., *Assistant in Orthopaedic Surgery.*

(Resigned Sept. 1, 1947.)

CARTER R. ROWE, M.D., *Assistant in Orthopaedic Surgery.*
 CHARLES L. STURDEVANT, M.D., *Assistant in Orthopaedic Surgery.*
 FRED R. ZEISS, M.D., *Assistant in Orthopaedic Surgery.*
 JONATHAN COHEN, M.D., *Milton Fellow.*

REQUIRED COURSE

Third Year. — Instruction is given in orthopaedic surgery by lectures at the Children's Hospital and the Massachusetts General Hospital in the first half of the third year, and throughout the third year by clinical exercises at the Children's Hospital, the Massachusetts General Hospital, and the Peter Bent Brigham Hospital.

THIRD YEAR

HOURS

Lectures. Drs. GREEN, BARR and Associates. C.H. and M.G.H. <i>First half-year.</i>	8
Clinical exercises. Drs. GREEN, BARR, and Associates. C.H., M.G.H., and P.B.B.H. <i>In sections throughout the year.</i>	30

The students are assigned to the Children's Hospital for thirty-two days; one-third of this period is spent in clinical exercises in orthopaedic surgery.

The clinical exercises in orthopaedic surgery and industrial surgery of adults are correlated with clinical exercises in general surgery at the Massachusetts General Hospital and the Peter Bent Brigham Hospital during the surgical assignment to these hospitals.

FOURTH YEAR ELECTIVE COURSES

1. Special Course. Dr. BARR and Associates. M.G.H. Whole course, all day. Limited to two students each month.
2. Clinical Course. Dr. GREEN and Associates. C.H. Whole course, all day. Limited to two students each month.
3. Clinical Course. Chief of Staff and Associates. C.H. and M.G.H. Whole course, all day. Limited to two students each month.

Otology and Laryngology

LEROY A. SCHALL, M.D., A.M., *Walter Augustus Lecompte Professor of Otology and Professor of Laryngology, and Head of the Department.*
 HAROLD G. TOBEY, M.D., *Lecturer on Laryngology. (1946-47)*
 MOSES H. LURIE, M.D., *Assistant Professor of Otology.*
 CHARLES H. ALLMAN, M.D., *Instructor in Otology.*
 WALTER J. E. CARROLL, M.D., *Instructor in Laryngology.*
 MAURICE G. EVANS, M.D., *Instructor in Laryngology.*
 ROBERT L. GOODALE, M.D., *Instructor in Laryngology.*
 EDGAR M. HOLMES, M.D., *Instructor in Otology.*

- GEORGE KELEMAN, M.D., *Instructor in Otology.*
 BERTON E. LOVESEY, M.D., *Instructor in Laryngology.*
 ALEXANDER S. MACMILLAN, M.D., *Instructor in Radiology.*
 PHILIP E. MELTZER, M.D., *Instructor in Otology.*
 WERNER MUELLER, M.D., *Instructor in Otology and Laryngology.*
 PHILIP MYSEL, M.D., *Instructor in Otology.*
 JOSIAH E. QUINCY, M.D., *Instructor in Otology.*
 LYMAN G. RICHARDS, M.D., *Instructor in Laryngology.*
 JOHN R. RICHARDSON, M.D., *Instructor in Laryngology.*
 FRANCIS L. WEILLE, M.D., *Instructor in Laryngology.*
 DAVID P. CORDRAY, M.D., *Assistant in Otology.*
 JOSHUA C. DROOKER, M.D., *Assistant in Laryngology.*
 CHARLES F. FERGUSON, M.D., *Assistant in Otology.*
 CARLYLE G. FLAKE, M.D., *Assistant in Laryngology.*
 ALBERT K. T. HO, M.D., *Assistant in Laryngology.*
 VINCENT J. KELLEY, M.D., *Assistant in Laryngology.*
 DANIEL MILLER, M.D., *Assistant in Otology.*
 JOSEPH LENTINE, M.D., *Assistant in Laryngology.*
 DONALD K. LEWIS, M.D., *Teaching Fellow in Laryngology.*

REQUIRED COURSE

Third Year.—Instruction is given by lectures at the Harvard Medical School and clinical instruction in the third year in sections, each student receiving instruction every morning for two weeks at the Massachusetts Eye and Ear Infirmary with anatomical and histological demonstrations at the Harvard Medical School.

Laryngology.—Instruction consists of lectures and section work in the third year, each section being assigned to the throat clinic of the M.E.E.I. In addition to clinical instruction, special demonstrations in anatomy are given at the Harvard Medical School.

THIRD YEAR

HOURS

Clinical exercises in Otology. Dr. SCHALL and Staff. M.E.E.I. <i>Every student has eight exercises.</i>	27
Lectures in Otology. Dr. LURIE. H.M.S. <i>Five Tuesdays in first half-year.</i>	5
Clinical exercises in Laryngology. Dr. SCHALL and Staff. M.E.E.I. <i>Ten or eleven exercises for each student.</i>	27
Laryngology Lectures. Dr. SCHALL. H.M.S. <i>Six Tuesdays in second half-year.</i>	6

FOURTH YEAR ELECTIVE COURSES

1. Clinical Otology. Dr. SCHALL and Associates. M.E.E.I. Quarter-course, mornings, offered throughout the year.
2. Advanced Otology. Dr. SCHALL and Associates. M.E.E.I. Half-course, mornings, three months.
- 1A. Clinical Laryngology. Dr. SCHALL and Staff. Half-course or quarter-course, mornings, offered throughout the year. M.E.E.I.

Physical Education

Work in physical education is planned in order to benefit the health of the medical student and also to give him an opportunity of realizing the importance of systematic exercise in the maintenance of health. To this end close coöperation is maintained with those in charge of the physical examination and the health of the students. A student may elect the type of exercise best suited to his particular needs as advised at the time of his physical examination.

ANNOUNCEMENT OF COURSES

SCHOOL OF DENTAL MEDICINE

DIVISION OF STUDIES

TOTAL NUMBER OF HOURS FOR EACH SUBJECT

FIRST YEAR		SECOND YEAR	
See Medical Curriculum		See Medical Curriculum	
THIRD YEAR	HOURS	FOURTH YEAR	
		HOURS	
Dental Morphology	68	Operative Dentistry (*)	18
Oral Pathology (*)	16	Prosthetic Dentistry (*)	51
Oral Hygiene (*)	25	Oral Surgery (* 21 hours)	32
Oral Diagnosis and Roentgenol- ogy (*)	24	Dental Medicine (* 96 hours)	32
Operative Dentistry (*)	98	Dental Pediatrics (* 10 or more hours)	45
Prosthetic Dentistry (*)	130	Public Health and Practice Management	26
Orthodontics (*)	15	Oral Diagnosis and Roentgenol- ogy (*)	6
Oral Surgery (* 21 hours)	8	Dental Materia Medica	6
Dental Medicine (* 82 hours)	31	Dental Clinical Seminar	48
Dental Clinical Seminar	64	General Clinic	456
General Clinic	577	Elective	336
	1056		1056

(*) These subjects are also covered in General Clinic, either to an indefinite extent or for the specific number of hours named.

The tabulated hours above indicate the approximate allotment of time for the third and fourth academic years in the School of Dental Medicine. As the entering classes are limited to fifteen students, it is possible to reduce the time usually involved in courses of applied dental techniques. Individual instruction, demonstrations, seminars and conferences will, to a great extent, replace the traditional lecture system.

The schedule provides two unscheduled afternoons a week throughout both years and a larger block of time in the second semester of the fourth year to allow the student to follow special clinical or research interests.

Dental Morphology — 1st semester 3rd year

Instruction in the special histology and embryology of the teeth and their supporting structures. Dental anatomy. Technique practice in reproduction of tooth forms.

REIDAR F. SOGNAES, L.D.S., *Associate Professor of Dental Medicine*
 G. EARL THOMPSON, D.M.D., *Assistant Professor of Clinical Dentistry*
 HAROLD L. WEATHERFORD, PH.D., *Assistant Professor of Anatomy*
 MYRON J. VAN LEEUWEN, D.D.S., *Associate in Clinical Dentistry*
 JOSEPH P. JAZOWSKI, D.M.D., *Instructor in Clinical Dentistry*

Oral Pathology — 3rd and 4th years

The teaching of this subject is an important part of many activities in the clinic and in the hospitals. This teaching is augmented by a series of demonstrations and conferences devoted to the pathological histology of the teeth and periodontal tissues.

REIDAR F. SOGNAES, L.D.S., PH.D., *Associate Professor of Dental Medicine, and Associates*

Oral Hygiene — 1st semester 3rd year

Lectures and demonstrations covering the accepted methods of dental prophylaxis and leading to work in the general clinic.

RICHARD B. SMITH, D.M.D., *Assistant Professor of Clinical Dentistry*
 G. EARL THOMPSON, D.M.D., *Assistant Professor of Clinical Dentistry*
 MYRON J. VAN LEEUWEN, D.D.S., *Associate in Clinical Dentistry*
 JOSEPH P. JAZOWSKI, D.M.D., *Instructor in Clinical Dentistry*

Orthodontics — 3rd and 4th years

Clinical instruction consists in the observation of developing dentures, the use of preventive measures, and the use of the simple orthodontic treatment procedures by each student. Opportunity is provided for experience beyond the required minimum for those students with special interest and ability. Discussions and demonstrations supplement the work of the clinic.

CHARLES M. WALDO, D.D.S., *Associate Professor of Orthodontics*
 PAUL H. KEYES, D.D.S., *Research Fellow in Dental Medicine*
 MELVIN I. COHEN, D.M.D., *Milton Fellow*

Oral Surgery — 3rd and 4th years

Instruction in extraction, minor dental surgery and anaesthesia is given at the Dental Infirmary by Dr. Harold A. Kent, D.M.D., Assistant Professor of Oral Surgery and staff. At the dental clinic of the Massachusetts General Hospital more extensive surgery in the oral cavity, fractures and traumatic injuries of the face and jaws is under the direction of Dr. Kurt H. Thoma,

D.M.D., Professor of Oral Surgery and staff. Opportunities for graduate work are offered here.

Surgical prosthesis and plastic surgery under the direction of Bradford Cannon, M.D., Associate in Surgery, are carried on at the Massachusetts General Hospital and at the Dental Infirmary. Surgical procedures are at the Hospital and the prosthesis at the Dental Infirmary.

KURT H. THOMA, D.M.D., *Professor of Oral Surgery and Charles A. Brackett Professor of Oral Pathology*

HAROLD A. KENT, D.M.D., *Assistant Professor of Oral Surgery (Resigned July 31, 1947)*

BRADFORD CANNON, M.D., *Associate in Surgery*

HERMAN DEWILDE, M.D., D.M.D., *Instructor in Clinical Dentistry*

EDWARD J. DURLING, D.M.D., *Instructor in Oral Surgery*

Dental Medicine — 3rd and 4th years

A course devoted to the diagnosis and treatment of oral diseases, i.e., diseases of the periodontium, dental pulp, oral mucosa and other oral structures together with their correlation to systemic conditions. Lectures, seminars, clinical practice and observation both in the dental infirmary and at the Massachusetts General Hospital.

ROY O. GREEP, PH.D., *Associate Professor of Dental Science*

REIDAR F. SOGNAES, L.D.S., *Associate Professor of Dental Medicine*

DAVID WEISBERGER, M.D., D.M.D., *Associate Professor of Dental Medicine*

HARRY C. TRIMBLE, S.M., PH.D., *Assistant Professor of Biological Chemistry*

JAMES H. SHAW, PH.D., *Associate in Nutrition*

HERMAN DEWILDE, M.D., D.M.D., *Instructor in Clinical Dentistry*

PAUL H. KEYES, D.D.S., *Research Fellow in Dental Medicine*

Oral Diagnosis and Roentgenology — 3rd and 4th years

Infirmary procedures, identification of oral structures, methods of oral examination, history taking, and common methods of diagnosis for dental and oral disease are given in both years, supplemented by practice in the general clinic.

Principles of applied roentgenology and the interpretation of roentgenograms are covered in both years, with consideration of the electro-physical basis of roentgenology in the fourth year.

ARTHUR M. MALONEY, D.M.D., *Associate Professor of Clinical Dentistry*

CHARLES M. WALDO, D.D.S., *Associate Professor of Orthodontics*

G. EARL THOMPSON, D.M.D., *Assistant Professor of Clinical Dentistry*

MYRON J. VAN LEEUWEN, D.D.S., *Associate in Clinical Dentistry*

HERMAN DEWILDE, M.D., D.M.D., *Instructor in Clinical Dentistry*

JOSEPH P. JAZOWSKI, D.M.D., *Instructor in Clinical Dentistry*

Operative Dentistry — 3rd and 4th years

Technique of cavity preparation, manipulation of plastic filling materials, gold inlay technique, conservative periodontal therapy and root canal therapy in the third year, supplemented by practice in the general clinic. Gold foil technique and further clinical practice in all phases in the fourth year. Odontotypes fitted to the headrests of the dental chairs in many instances avoid the necessity for learning two sets of hand motions: one for the bench and one for the chair.

JAMES M. DUNNING, D.D.S., *Dean*

RAYMOND J. NAGLE, D.M.D., *Assistant Professor of Clinical Dentistry*

RICHARD B. SMITH, D.M.D., *Assistant Professor of Clinical Dentistry*

G. EARL THOMPSON, D.M.D., *Assistant Professor of Clinical Dentistry*

MYRON J. VAN LEEUWEN, D.D.S., *Associate in Clinical Dentistry and Director of Clinic*

JOSEPH P. JAZOWSKI, D.M.D., *Instructor in Clinical Dentistry*

Prosthetic Dentistry — 3rd and 4th years

Complete and partial denture technique and clinical practice in the third year. Crown and bridge technique and clinical practice in all phases in the fourth year. A study of dental materials and metallurgy in the third year.

ARTHUR M. MALONEY, D.M.D., *Associate Professor of Clinical Dentistry*

RAYMOND J. NAGLE, D.M.D., *Assistant Professor of Clinical Dentistry*

RICHARD B. SMITH, D.M.D., *Assistant Professor of Clinical Dentistry*

JOSEPH P. JAZOWSKI, D.M.D., *Instructor in Clinical Dentistry*

Dental Pediatrics — 3rd and 4th year

Those phases of operative dentistry, oral hygiene, and orthodontics applicable to young children are carried on in the general clinic in the Dental Building. Special lectures are given in the third year. A course in dental pediatrics given in the fourth year is designed to cover those phases of systemic and oral disease best seen under hospital conditions and is conducted at Children's Hospital. Operative work is performed only for those children admitted to the Hospital. Cases involving systemic sequelae of dental disease and oral manifestations of systemic disease receive especial consideration. Students attend regular hospital conferences in surgery, clinical pathology, roentgenology, and medicine. Medicine and dental ward rounds are made.

CHARLES M. WALDO, D.D.S., *Associate Professor of Orthodontics*

PAUL K. LOSCH, D.D.S., *Assistant Professor of Clinical Dentistry*

Various members of the Staff of the Children's Hospital including Drs.

ROBERT E. GROSS, CHARLES A. JANEWAY, and EDWARD B. D. NEUHAUSER.

Public Health and Practice Management — 4th year

Public Health principles and practices with emphasis on the participation of the dentist. Elements of bio-statistics. Private practice management, ethics, and jurisprudence.

JAMES M. DUNNING, D.D.S., M.P.H., *Dean*, and Associates

JAMES M. MARJERISON, D.M.D., *Lecturer on Preventive Dentistry*

Dental Materia Medica — 2nd semester 4th year

Specific consideration of dental problems and development of formulary for clinical dentistry, in addition to coverage of practical therapeutic problems in the general clinic.

Members of the dental staff and visiting lecturers.

Dental Clinical Seminar — 3rd and 4th years

Individual students in rotation prepare topics within the fields of clinical dentistry, dental medicine, or public health and present these topics before the members of their own class, the other clinical class and the members of the staff. Free discussion follows. Normal and abnormal growth problems occupy chief attention in the third year. The fourth year seminars review the material of the basic medical sciences in the light of clinical experience.

JAMES M. DUNNING, D.D.S., *Dean*, and entire staff.

General Clinic — 3rd and 4th years

Practice in operative and prosthetic dentistry, periodontics, orthodontics, oral hygiene, oral diagnosis, and roentgenology. In the third year, 21 hours are devoted specifically to oral surgery and 92 hours to dental medicine. In the fourth year, 21 hours are devoted specifically to oral surgery, 96 hours to dental medicine, and 10 or more to dental pediatrics. Clinical work in dental pediatrics is at the Children's Hospital.

ARTHUR M. MALONEY, D.M.D., *Associate Professor of Clinical Dentistry*

CHARLES M. WALDO, D.D.S., *Associate Professor of Orthodontics*

DAVID WEISBERGER, M.D., D.M.D., *Associate Professor of Dental Medicine*

HAROLD A. KENT, D.M.D., *Assistant Professor of Oral Surgery* (Resigned

July 31, 1947)

PAUL K. LOSCH, D.D.S., *Assistant Professor of Clinical Dentistry*

MYRON J. VAN LEEUWEN, D.D.S., *Associate in Clinical Dentistry and Director of Clinic*

IAN C. JONES, Ph.D., *Research Fellow in Dental Science*

Members of the Clinical Staff.

Elective Material — 4th year.

A large block of time is set aside in the second semester of the fourth year

for work according to the needs and inclinations of the individual student. The amount of time to be devoted to elective work is not fixed but depends upon the speed with which the student shows acceptable proficiency in clinical and technical subjects. Special opportunities for brilliant students and students interested in research are planned. Facilities of the School of Dental Medicine, Massachusetts General Hospital, Children's Hospital and other institutions will be made available as needed.

REGISTRATION

April 1, 1946 — June 5, 1947

FIRST YEAR

FIRST HALF YEAR *

SEPTEMBER 23, 1946 — FEBRUARY 1, 1947 (All dates inclusive)

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-1	Anatomy	Histology	Anatomy	Histology	Histology	Voluntary Clinics
2-5	Anatomy	Histology	Anatomy	Histology	Anatomy	

* All exercises in Building B.

SECOND HALF YEAR †

FEBRUARY 3 — MAY 29, 1947 (All dates inclusive)

9-1	Biological Chemistry	Physiology	Biological Chemistry	Physiology	Biological Chemistry Lecture and Conference (April 25—May 24) 11:30—12:30 Medical Psychology	Physiology Lecture and Conference (April 25—May 24) 11:30—12:30 Medical Psychology
2-5	Biological Chemistry	Physiology	Biological Chemistry	Physiology	Voluntary Courses	

† All exercises in Building C.

Examination Period: May 30—June 5

Vacations: Dec. 22—Jan. 5
April 13—20Holidays: Oct. 12 Feb. 22
Nov. 11 Apr. 19
Nov. 28 May 30

THIRD YEAR

APRIL 18, 1946 — MAY 24, 1947

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
8.30-9.30	Lecture † of Class: I. Medicine II. Med. Spec.* † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture † of Class: I. Med. Spec.* II. Medicine † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture † of Class: I. Medicine II. Med. Spec.* † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture † of Class: I. Med. Spec.* II. Medicine † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture † of Class: I. Medicine II. Med. Spec.* † of Class: I. Surgery II. Surg. Spec.† † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture † of Class: I. Med. Spec.* II. Medicine † of Class: I. Surg. Spec.† II. Surgery † of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	
10-12.30	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture Preventive Medicine 2-3 Clinical Conference 3-5 Twelve Lectures Legal Medicine 4.15-5.15	Lecture FREE FREE FREE	Lecture FREE
2-5	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture † of Class: Medicine † of Class: Surgery † of Class: { Pediatrics Orthopaedic Surgery	Lecture Preventive Medicine 2-3 Clinical Conference 3-5 Twelve Lectures Legal Medicine 4.15-5.15	Lecture FREE	

* Med. Spec. = Neurology, Psychiatry, Dermatology. † Surg. Spec. = Genito-Urinary Surgery, Gynaecology, Laryngology.
 § For this course the students are assigned to one of the districts of the B. L. I. and are on duty twenty-four hours a day for a period of ten or eleven days. The Class is divided into thirds and the Medical and Surgical thirds are made up of two groups:
 Group I. — Having Medicine (or Surgery) on Mondays, Wednesdays and Fridays and the Medical (or Surgical) specialties on Tuesdays, Thursdays and Saturdays.
 Group II. — Having Medicine (or Surgery) on Tuesdays, Thursdays and Saturdays and the Medical (or Surgical) specialties on Mondays, Wednesdays and Fridays.
 The Third having Pediatrics, etc., is made up of Divisions A and B. These Divisions interchange every 32 days.
 The Thirds interchange every 64 days.
 Vacations: Dec. 19-Jan. 1, March 10-24
 Holidays: 1946—April 19, May 30, July 4, Sept. 2, Nov. 11, Nov. 28; 1947—Feb. 22, April 19

FOURTH YEAR

FROM APRIL 1, 1946 — JUNE 5, 1947

(Each block represents one month. Order of subjects variable.)

	1	2	3	4
MORNING	Medicine C1, C2, C3, or C4	Medicine C1, C2, C3, or C4	Surgery C1, C2, C3, C4 or C5	Surgery C1, C2, C3, C4 or C5
AFTERNOON				
	5	6	7	8
MORNING	Obstetrics C1	Pediatrics C1 or C2	Psychiatry C4, C5, or C6	Elective
AFTERNOON				
	9	10	11	
MORNING	Elective	Elective	Elective	
AFTERNOON				

ON MARCH 23, 1946, ONE HUNDRED AND FORTY-ONE DEGREES WERE
CONFERRED AS FOLLOWS:

M.D.

- Aldrich, Alvin Scott.
 Alexander, James Kermott, A.B. (*Amberst Coll.*) 1942.
 Apfelbach, Henry William.
 Arey, John Vincent, A.B. (*Univ. of North Carolina*) 1942.
 Arnold, Arthur, A.B. (*Univ. of Alabama*) 1943.
 Atwood, Douglas Allen, A.B. (*Amberst Coll.*) 1945.
 Averill, James Halsey, A.B. (*Dartmouth Coll.*) 1944.
 Beal, Charles Beckman, A.B. (*Univ. of Arizona*) 1944.
 Bengle, Armand Louis, Jr., S.B. (*Massachusetts State Coll.*) 1944.
 Benson, John Alexander, Jr., A.B. (*Wesleyan Univ.*) 1943.
 Birkhill, Frederick Ross, A.B. (*Ohio Wesleyan Univ.*) 1944.
 Braasch, John William, S.B. (*Yale Univ.*) 1944.
 Brunet, Emile Joseph, A.B. (*Union Coll.*) 1942.
 Burt, Richard Lafayette, S.B. (*Springfield Coll.*) 1938, S.M. (*Brown Univ.*)
 1940, PH.D. (*ibid.*) 1942.
 Carothers, Charles Olmsted.
 Caskey, Walter Higbee.
 Christy, Norval Edwin, S.B. (*Westminster Coll.*) 1943.
 Cohen, Nathaniel Maurice, Jr., A.B. 1943 (1942).
 Connolly, Neville Kingsley, B.A. (*Univ. of Cambridge, England*) 1942.
 Corsa, Leslie, Jr., S.B. (*Massachusetts Institute of Technology*) 1941.
 Crawford, Ernest Stanley, A.B. (*Univ. of Alabama*) 1943.
 Creelman, Ernest Willoughby.
 Crowson, William Nathan, A.B. (*Univ. of Mississippi*) 1943, S.B. (*ibid.*) 1944.
 Dalrymple, Willard, A.B. 1943.
 Desautels, Robert Eugene.
 DesPrez, John David, Jr., A.B. 1943 (1942).
 Donald, James Homer.
 Donovan, Thomas Joseph.
 Eldredge, Donald Herbert, Jr., S.B. 1943.
 Eliot, Johan Wijnblad, A.B. (*Swarthmore Coll.*) 1943.
 Epstein, Lloyd Stanley, A.B. 1943.
 Finkenstaedt, John Turner, A.B. (*Williams Coll.*) 1943.
 Fisher, John Herbert.
 Flinn, Don Ell, S.B. (*Univ. of Missouri*) 1944.
 Freymann, John Gordon, S.B. (*Yale Univ.*) 1944.
 Fuzy, Paul James, Jr., A.B. (*Princeton Univ.*) 1944.

- Gajdusek, Daniel Carleton, A.B. (*Univ. of Rochester*) 1943.
Ghormley, Kenneth Owen, A.B. (*Whitman Coll.*) 1943.
Graves, John Peaslee, A.B. 1943.
Groves, Laurence Knight.
Hackel, Donald Benjamin, A.B. 1943.
Haley, Wallace Francis, Jr., A.B. (*Coll. of the Holy Cross*) 1943.
Harting, Donald, S.B. 1944 (1943).
Herbst, William Parker, 3d, A.B. (*Princeton Univ.*) 1944.
Hinshaw, Arvil James, A.B. (*Iowa State Teachers Coll.*) 1937.
Hirsch, Erwin Oskar, A.B. 1942.
Hollowell, Victor Boyce, A.B. (*Univ. of North Carolina*) 1942.
Hooper, Joseph Ward, Jr., A.B. (*Princeton Univ.*) 1943.
Hurwitz, Joshua Jacob.
Johnson, Harold Graham.
Kerrigan, Gerald Austin, S.B. 1944 (1943).
King, Francis Parker, S.B. (*Univ. of North Carolina*) 1944.
Kinney, John Martin, A.B. (*Denison Univ.*) 1943.
Kohn, Henry Irving, A.B. (*Dartmouth Coll.*) 1930, PH.D. (*Harvard Univ.*)
1935.
Kreisle, Matthew Ferdinand, Jr., A.B. (*Univ. of Texas*) 1944.
Lamont, John Hopkins.
Lawrence, George Hugh.
Lowell, James Drennan.
Macmillan, Alexander Stewart, Jr.
Maluf, Noble Suydam Rustum, S.B. (*American Univ. at Cairo*) 1933, S.M.
(*Cornell Univ.*) 1934, PH.D. (*ibid.*) 1936.
Manly, Isaac Vaughn, S.B. (*Univ. of North Carolina*) 1944.
McCormick, Robert Vance.
McCubbin, James William, A.B. (*Westminster Coll.*) 1943.
Mead, Jeremiah, S.B. 1943.
Metcalf, James, Jr., A.B. (*Brown Univ.*) 1944.
Miller, Wade Norman, S.B. 1944 (1943).
Moore, Douglas J.
Nash, Henry Hollister, A.B. 1943.
O'Brien, Robert William, A.B. (*Boston Coll.*) 1943.
Odland, George Fisher.
O'Rourke, Edward James, Jr.
Osgood, Charles Kendrick, A.B. (*Brown Univ.*) 1943.
Ourieff, Arthur Jacob.
Palladino, Vincent Salvatore.
Pendleton, Murray Ethan.
Penick, George Dial, S.B. (*Univ. of North Carolina*) 1944.

- Perkins, Marvin Earl, Jr., A.B. (*Albion Coll.*) 1942.
 Pierce, Charles Worthen, A.B. (*Dartmouth Coll.*) 1943.
 Radford, Edward Parish, Jr.
 Rames, Eugene Duston, A.B. (*Brown Univ.*) 1944.
 Regan, Charles Douglas James, A.B. (*Dartmouth Coll.*) 1943.
 Richardson, George Shattuck, A.B. 1943.
 Rivers, Walker Prioleau, Jr., S.B. (*Presbyterian Coll.*) 1943.
 Rodger, Robert Court.
 Rosoff, Chester Bertram, A.B. (*Amherst Coll.*) 1943.
 Rowbotham, John Loring, A.B. (*Williams Coll.*) 1943.
 Rowland, Vernon.
 Royer, Charles Cost, A.B. 1943.
 Saunders, Benjamin Harrison, Jr., S.B. 1943.
 Savage, Louis Dodge, A.B. (*Dartmouth Coll.*) 1943.
 Sax, William Peter.
 Saxton, George Albert, Jr.
 Scott, Richard Wendell, S.B. (*Yale Univ.*) 1943.
 Segnitz, Richard Herbert.
 Shafer, Charles Leon, A.B. (*Univ. of Missouri*) 1941, S.B. (*ibid.*) 1944.
 Sholl, Philip Richard, A.B. (*Dartmouth Coll.*) 1943.
 Shook, Daniel McKay.
 Sifneos, Peter Emanuel.
 Skinner, James Carter, A.B. 1944 (1943).
 Sohler, William Davies, Jr.
 Stahl, William Martin, Jr., A.B. (*Dartmouth Coll.*) 1943.
 Stall, Bernard George, 3d, S.B. (*Univ. of Kentucky*) 1942.
 Strang, Robert Tudor, A.B. (*Univ. of Alabama*) 1940, A.M. (*ibid.*) 1941.
 Thomas, Edward Donnall, A.B. (*Univ. of Texas*) 1941, A.M. (*ibid.*) 1943.
 Thorn, James Isham, A.B. (*Univ. of Alabama*) 1943.
 Uzman, Lütü Lahut.
 Van Buskirk, William Clayton, A.B. (*Univ. of Missouri*) 1944, S.B. (*ibid.*) 1944.
 Vaughan, David DuPuy.
 Waterman, Donald Frederick, S.B. 1943.
 Watkin, Donald Morgan, A.B. (*Hamilton Coll.*) 1943.
 Watson, Alan Davis.
 Weiner, Robert Sherman.
 Wetherbee, Donald Gist, A.B. (*Univ. of North Carolina*) 1937.
 Wilcox, George Dawley, 3d, S.B. (*Yale Univ.*) 1944.
 Wilson, Theodore Halbert, Jr.
 Wisoff, Carl Peter, A.B. (*Univ. of Wisconsin*) 1943.
 Wolsky, Leonard.

- Wood, John Archibald, A.B. 1943.
 Wood, William Warren.
 Woodhouse, Charles Florian.
 Wybel, Robert Elwood, A.B. (*Colgate Univ.*) 1944.
 Young, John Harley, A.B. (*DePauw Univ.*) 1944.

M.D. *cum Laude* for Thesis in a Special Field

Ley, Herbert Leonard, Jr.

M.D. *cum Laude*

- Atchley, William Ames.
 Bader, Mortimer Eugene, A.B. (*Columbia Univ.*) 1944.
 Goetz, Frederick Charles, S.B. 1943.
 Green, Thomas Henry, Jr.
 Henneman, Philip Harry, A.B. 1944 (1943).
 Keirns, Marvin Myrl.
 Maloy, Joseph Kenneth, A.B. (*Columbia Univ.*) 1944.
 O'Hara, George Leo, Jr., A.B. (*Boston Coll.*) 1943.
 Sageman, Clifford Bradley, A.B. 1943.
 Strahley, Clifford John, Jr.
 Van Metre, Thomas Earle, Jr., S.B. 1944 (1943).
 Williams, John Albert, A.B. (*Princeton Univ.*) 1943.

M.D. *Magna cum Laude*

- Fremont-Smith, Paul.
 Hamolsky, Milton William, A.B. 1943.
 Solomon, David Harris, A.B. (*Brown Univ.*) 1944.
 Shillingford, Jack Parsons.
 Stowers, John Marcus, B.A. (*Univ. of Cambridge, England*) 1941.

M.D. *Summa cum Laude* for Thesis in a Special Field

- Williams, Carroll Milton, S.B. (*Univ. of Richmond*) 1937, A.M. (*Harvard Univ.*) 1938, PH.D. (*ibid.*) 1941.

MEDICAL SCHOOL

1946-47

FOURTH CLASS *

Adams, George Carlisle, s.B. 1945 (1944).	Charlotte, N. C.
†Austin, Stephen Drake (<i>Princeton Univ.</i>).	River Forest, Ill.
†Avery, John Sargent (<i>Harvard Univ.</i>)	Brooklyn, N. Y.
‡Baldwin, Warren Charles (<i>Haverford Coll.</i>)	Waban
Beachley, Charles Edward, Jr., A.B. (<i>Johns Hopkins Univ.</i>) 1943.	Pittsburgh, Pa.
Beiler, David Davis, A.B. (<i>Allegheny Coll.</i>) 1943.	Meadville, Pa.
‡Bell, Alfred Lee Loomis, Jr. (<i>Wesleyan Univ.</i>).	Scarlet's Mill, Pa.
Benjamin, Bry, s.B. (<i>Yale Univ.</i>) 1944.	New York, N. Y.
‡Bennett, Warren (<i>Harvard Univ.</i>).	Dorchester
†Bierman, Charles Warren (<i>Harvard Univ.</i>).	Harrisburg, Pa.
Billings, Edmund, Jr., s.B. (<i>Yale Univ.</i>) 1945.	Concord
Blum, Alexander, Jr., s.B. (<i>Yale Univ.</i>) 1944.	New York, N. Y.
‡Borra, Mario John (<i>Harvard Univ.</i>).	Taunton
‡Brackett, Nathaniel Parker, Jr. (<i>Harvard Univ.</i>).	Waltham
‡Brady, Roscoe Owen, Jr. (<i>Pennsylvania State Coll.</i>).	Ambler, Pa.
‡Braun, Harold Arthur (<i>Washington Univ.</i>).	Webster Groves, Mo.
Braunstein, Paul William, s.B. (<i>Coll. of the Holy Cross</i>) 1945.	Long Island City, N. Y.
Brockhurst, Robert John, s.B. (<i>Union Coll.</i>) 1943.	Burnt Hills, N. Y.
‡Brumback, Frank Edgar (<i>Princeton Univ.</i>).	Hagerstown, Md.
Bucknam, Frank Gilbert, s.B. (<i>Yale Univ.</i>) 1944.	Farmington, Conn.
†Butcher, Leland L., Jr. (<i>Univ. of Missouri</i>).	Lebanon, Mo.
*Butler, Elza Farrell, s.B. (<i>Univ. of Missouri</i>) 1945 [Univ. of Missouri Medical School].	Carrollton, Mo.
†Carleton, Henry Guy (<i>Harvard Univ.</i>).	Minneapolis, Minn.
‡Carson, Paul Elbert, Jr. (<i>Univ. of Chicago</i>).	Chicago, Ill.
*Christopher, Ralph Coleman, Jr., s.B. (<i>Alabama Polytechnic Inst.</i>) 1944 [Univ. of Alabama Medical School].	Crossville, Ala.
‡Cigarroa, Joaquin Gonzalez, Jr. (<i>Univ. of Texas</i>).	Laredo, Texas
†Clark, Lincoln Dufton (<i>Harvard Univ.</i>).	Andover
*Cole, Donald Packard, Jr., A.B. (<i>Dartmouth Coll.</i>) 1944 [Dartmouth Medical School].	Arlington, Va.
†Cummer, Frederick Henry, Jr. (<i>Harvard Univ.</i>).	Cleveland, Ohio
‡Dale, Paul Worthen (<i>Harvard Univ.</i>).	Moscow, Idaho
Dannenbergh, Arthur Milton, Jr., A.B. (<i>Swarthmore Coll.</i>) 1944.	Willow Grove, Pa.

* In this list of students in Medicine and Dental Medicine an asterisk (*) marks the names of students transferred to the 3d-year class, a dagger (†) those admitted on the basis of two years of college work, a double dagger (‡) those admitted on the basis of three years of college work (in several cases with work for the bachelor's degree complete), the symbol (§) those similarly admitted on the basis of four years' work, and the symbol (°) those transferred to the 2d-year class.

- Davis, James McCorkle, Jr., s.B. (*Davidson Coll.*) 1943. *Salisbury, N. C.*
 ‡Davis, Nathan Smith, Jr. (*Harvard Univ.*). *Winnetka, Ill.*
 Deckoff, Stephen Lionel, s.B. (*Yale Univ.*) 1943. *Great Neck, N. Y.*
 deLong, Robert Paul, A.B. (*Haverford Coll.*) 1945. *Allentown, Pa.*
 *Dickson, James Francis, 3d, A.B. (*Dartmouth Coll.*) 1944 [Dartmouth Medical School]. *Milton*
 Donald, Dan Caldwell, Jr., A.B. (*Univ. of Alabama*) 1943. *Birmingham, Ala.*
 Duggan, John Albert, A.B. (*Boston Coll.*) 1944. *Rockland*
 Easton, Frederic Willard, 3d, A.B. (*Brown Univ.*) 1944. *Pawtucket, R. I.*
 ‡Edwards, Donal Carlyle (*Harvard Univ.*). *New York, N. Y.*
 †Egloff, Frank Rattray Lillie (*Amherst Coll.*). *St. Louis, Mo.*
 ‡Endsley, Fred Starr, Jr. (*Princeton Univ.*). *Robinson, Ill.*
 §Fisher, Bruce Melton (*Univ. of California*). *Oakland, Calif.*
 ‡Fister, Harry William (*Hamilton Coll.*). *Binghamton, N. Y.*
 *Follo, Paige Bill, A.B. (*Univ. of Alabama*) 1944 [Univ. of Alabama Medical School]. *Akron, Ohio*
 †Fowler, Fred DuMont, Jr. (*Harvard Univ.*). *Newton Center*
 Germain, Ronald Oliver, A.B. 1945 (1947). *Boston*
 *Godwin, Harold Lacy, s.B. (*Univ. of North Carolina*) 1944 [Univ. of North Carolina Medical School]. *Fayetteville, N. C.*
 †Goodrich, Donald Wells (*Harvard Univ.*). *Arlington, Va.*
 Graham, Garth Kinsey, A.B. (*Princeton Univ.*) 1944. *Elmhurst, Ill.*
 ‡Greenhouse, Charles Raynes, Jr. (*Harvard Univ.*). *New York, N. Y.*
 Grillo, Hermes Conrad, A.B. (*Brown Univ.*) 1943. *Providence, R. I.*
 †Gutstein, Armin Edward (*Harvard Univ.*). *Kendallville, Ind.*
 Hall, Charles Chauncey, s.B. 1944 (*Yale Univ.*). *Baltimore, Md.*
 *Hart, Kirby Thompson, Jr. (*Univ. of North Carolina*) [Univ. of North Carolina Medical School]. *Goldsboro, N. C.*
 *Haskins, Donald Miller, s.B. (*Univ. of South Dakota*) 1945 [Univ. of South Dakota Medical School] *Rapid City, S. Dak.*
 Hoberman, Henry Don, A.B. (*Columbia Univ.*) 1936, PH.D. (*ibid.*) 1942. *Bridgeport, Conn.*
 ‡Hoeprich, Paul Daniel (*Harvard Univ.*). *Canton, Ohio*
 ‡Hopkins, Robert West (*Harvard Univ.*). *Springfield*
 ‡Hornbeck, William Jay (*Harvard Univ.*). *Muskegon, Mich.*
 †Howell, David Sanders (*Univ. of North Carolina*). *West Boothbay Harbor, Maine*
 ‡Ingbar, Sidney Harold (*Univ. of California*). *Los Angeles, Calif.*
 *Johnson, Edward Lewis, A.B. (*Univ. of Alabama*) 1944 [Univ. of Alabama Medical School]. *Selma, Ala.*
 ‡Johnston, James Renfrew, 3d (*Haverford Coll.*). *Pittsburgh, Pa.*
 *Jordan, Weldon Huske, s.B. (*Univ. of North Carolina*) 1944 [Univ. of North Carolina Medical School]. *Fayetteville, N. C.*

- *Kennedy, Benjamin Hughes, 3d, A.B. (*Univ. of Alabama*) 1944 [Univ. of Alabama Medical School].
Birmingham, Ala.
- *King, Jack Victor, S.B. (*Millsaps Coll.*) 1943 [Univ. of Mississippi Medical School].
Jackson, Miss.
- †Knudsen, Robert Telford Andrew (*Univ. of California*).
Los Angeles, Calif.
- LaBarre, Joseph Elmer, S.B. (*Bethany Coll.*) 1943.
Wellsburg, W. Va.
- ‡Lansing, Cornelius (*Harvard Univ.*).
Chappaqua, N. Y.
- ‡Larimer, Robert Chase (*State Univ. of Iowa*).
Sioux City, Iowa
- Lasley, Charles Haden, S.B. (*Univ. of Florida*) 1943.
Largo, Fla.
- Licciardello, Anthony, S.B. (*Tufts Coll.*) 1943.
Lawrence
- †Lippitt, Devereux Haigh, 2d (*Princeton Univ.*).
Savannah, Ga.
- †Littlefield, John Walley (*Harvard Univ.*).
Providence, R. I.
- ‡MacAusland, William Russell, Jr. (*Harvard Univ.*).
Boston
- *McKnight, Robert Donald, S.B. (*Drury Coll.*) 1943 [Univ. of Missouri Medical School].
Springfield, Mo.
- ‡McMurrey, James Douglas (*Rice Inst.*).
Tyler, Texas
- *Mangum, Carlyle Thomas, S.B. (*Univ. of North Carolina*) 1943 [Univ. of North Carolina Medical School].
Takoma Park, Md.
- ‡Minkler, Donald Harold (*Univ. of California*).
San Francisco, Calif.
- ‡Minor, Charles Launcelot (*Univ. of Virginia*).
Washington, D. C.
- *Monroe, John Howard, S.B. (*Univ. of North Carolina*) 1944 [Univ. of North Carolina Medical School].
Hamlet, N. C.
- Montello, Samuel Anthony, A.B. (*Univ. of Rochester*) 1945. Rochester, N. Y.
- ‡Morrison, Samuel Slemmons (*Princeton Univ.*).
Pittsburgh, Pa.
- *O'Connor, Harrison Joseph, A.B. (*Dartmouth Coll.*) 1944 [Dartmouth Medical School].
Bayport, Long Island, N. Y.
- ‡Olney, John McLean, Jr. (*Pomona Coll.*).
Berkeley, Calif.
- ‡Oren, William Franklin (*Northwestern Univ.*).
South Bend, Ind.
- Orrahood, Marvin David, A.B. (*West Virginia Univ.*) 1944.
Clarksburg, W. Va.
- *Palmer, William Gaston, S.B. (*Univ. of North Carolina*) 1944 [Univ. of North Carolina Medical School].
Littleton, N. C.
- ‡Peete, Charles Henry, Jr. (*Univ. of North Carolina*).
Warrenton, N. C.
- Peete, William Pettway Jones, A.B. (*Univ. of North Carolina*) 1942.
Warrenton, N. C.
- ‡Piper, Clinton Albert (*Boston Univ.*).
Merrimac
- ‡Porell, William John, 2d (*Harvard Univ.*).
Bradford
- Prodell, John Hubert, Jr., A.B. (*Drew Univ.*) 1943.
East Orange, N. J.
- †Raisz, Lawrence Gideon (*Harvard Univ.*).
Cambridge
- Reynolds, Robert Belknap, A.B. (*Carleton Coll.*) 1944.
Glen Ellyn, Ill.
- *Robinson, Brewster Calhoun, S.B. (*Millsaps Coll.*) 1943 [Univ. of Mississippi Medical School].
Meridian, Miss.

- †Robinson, Elliott Stirling, Jr. (*Harvard Univ.*). Laconia, N. H.
 ‡Rogerson, Alexander Greenleaf (*Harvard Univ.*). Milton
 †Ross, Richard Starr (*Harvard Univ.*). Richmond, Ind.
 *Rothwell, Walter Spray, A.B. (*Dartmouth Coll.*) 1944 [Dartmouth Medical
 School]. New Bedford
 Sanctuary, Richard Albert, A.B. (*Amherst Coll.*) 1943. Amherst
 Sandifer, Myron Guy, Jr., S.B. (*Davidson Coll.*) 1943. Lowrys, S. C.
 Scanlan, James Jean, S.B. (*Providence Coll.*) 1943. Providence, R. I.
 Selverstone, Norman Jonas, A.B. (*Columbia Univ.*) 1944. Norfolk, Va.
 Shambaugh, Benjamin, A.B. (*Amherst Coll.*) 1943. Chicago, Ill.
 Shannon, James Menzies, A.B. (*Princeton Univ.*) 1944. Scarborough, N. Y.
 †Shea, John Joseph (*Univ. of Notre Dame*). Memphis, Tenn.
 ‡Sleisenger, Marvin Herbert (*Harvard Univ.*). Pittsburgh, Pa.
 Smith, Hugo Dunlap, S.B. (*Yale Univ.*) 1944. New Haven, Conn.
 †Smythe, Cheves McCord (*Yale Univ.*). Charleston, S. C.
 Spear, Harold Charles, S.B. (*Yale Univ.*) 1944. New York, N. Y.
 Spiro, Howard Marget, A.B. 1944 (1943). Brookline
 Stevens, Arnold Marsh, S.B. (*Bates Coll.*) 1943. South Hadley
 Stevens, Kingsley Morton, S.B. (*Lynchburg Coll.*) 1943. Lynchburg, Va.
 §Stoeckle, John Duane (*Oberlin Coll. and Antioch Coll.*). Sturgis, Mich.
 ‡Swartz, Morton Norman (*Harvard Univ.*). Brookline
 †Tang, Yi-Wen Yves (*Univ. of Paris and Univ. of Lyon*). Peiping, China
 ‡Taylor, William Jape (*Yale Univ.*). McMinnville, Tenn.
 *Thomas, James Henry, A.B. (*Univ. of Alabama*) 1942 [Univ. of Alabama
 Medical School]. Russellville, Ala.
 Uhl, Henry Stephen Magraw, A.B. (*Princeton Univ.*) 1942. Kingston, Pa.
 ‡Versaci, Armand Dominick (*Union Coll.*). Schenectady, N. Y.
 †Waring, William Winburn (*Yale Univ.*). Savannah, Ga.
 †Wedgwood, Ralph Josiah Patrick (*Harvard Univ.*). London, England
 West, Weldon Wallace, A.B. (*Coll. of the Pacific*) 1943. Stockton, Calif.
 *Winn, Dean Flewellyn, Jr., A.B. (*Univ. of North Carolina*) 1944 [Univ. of
 North Carolina Medical School]. Atlantic City, N. J.
 ‡Winter, William David, Jr. (*Hamilton Coll.*). Chatham, N. J.
 ‡Wynne, Lyman Carroll (*Harvard Univ.*). Duluth, Minn.
 §Wyse, Robert James (*Univ. of Washington*). Spokane, Wash.
 ‡Zufall, Robert Bunger (*Princeton Univ.*). Irvington, N. J.

THIRD CLASS

- ‡Adams, Jesse Earl, Jr. (*Univ. of Kentucky*). Lexington, Ky.
 *Angle, William Dodge (*Univ. of Michigan*) [Univ. of Michigan Medical
 School]. Lincoln, Nebr.
 §Applegarth, John Jerrold (*Univ. of California*). San Francisco, Calif.

- ‡Austin, James Henry (*Brown Univ.*). Toledo, Ohio
- †Bates, Frank Dudley (*Massachusetts Inst. of Technology*). Snyder, N. Y.
- *Beddingfield, Edgar Theodore, Jr. (*Univ. of North Carolina*) [Univ. of North Carolina Medical School]. Clayton, N. C.
- ‡Bell, George Erick, Jr. (*Wake Forest Coll.*). Wilson, N. C.
- ‡Bender, Merrill Arthur (*Middlebury Coll. and Goddard Coll.*). Cleveland, Ohio
- ‡Bisland, Theodore Wensel, Jr. (*Yale Univ.*). Memphis, Tenn.
- †Blitzer, John Ritchie (*Harvard Univ. and Univ. of Wisconsin*). Ossining, N. Y.
- *Botwin, Arnold Ellis, A.A. (*Kansas City Junior Coll.*) 1944 (Univ. of Missouri Medical School). Kansas City, Mo.
- ‡Bougas, James Andrew (*Massachusetts Inst. of Technology*). Bismarck, N. Dak.
- *Bragdon, Douglas Estes, S.B. (*Bates Coll.*) 1940, A.M. (*Harvard Univ.*) 1941 [Washington Univ. Medical School]. Portland, Maine
- Brand, Eugene Dew, A.B. (*The Citadel and Univ. of Virginia*) 1944. Houston, Texas
- Brown, Curtland Chester, Jr., A.B. 1944. Beverly
- †Burns, Stanley Sherman, Jr. (*Haverford Coll.*). St. Louis, Mo.
- ‡Callaghan, Edward Eugene (*Univ. of Wyoming and Washington Univ.*). Cheyenne, Wyo.
- †Chaimovitz, David Labe (*Geneva Coll.*). Aliquippa, Pa.
- *Chilmonczyk, Waclaw (*Univ. of Wilno*) [Univ. of Wilno Medical School]. Salem
- Clark, Malcolm David, A.B. (*Williams Coll.*) 1943. Minneapolis, Minn.
- Cobb, John Candler, 2d, S.B. 1941. Milton
- *Conerly, Dawson Brumfield, Jr. (*Univ. of Mississippi and Emory Univ.*) [Univ. of Mississippi Medical School]. Kokomo, Miss.
- *Connolly, John Earle, A.B. 1944 [Jefferson Univ. Medical School]. Omaha, Nebr.
- Criscitiello, Modestino Giuseppe, A.B. (*Princeton Univ.*) 1947. Pittsfield
- †Crocker, Allen Carrol (*Massachusetts Inst. of Technology*). Belmont
- †Davis, Jack Beason (*Univ. of Virginia*). Andrews, N. C.
- ‡De la Cruz, Edgar Francisco Alejandro (*Princeton Univ.*). San José, Costa Rica
- ‡Dodge, Harold Tracy, Jr. (*Univ. of Washington*). Seattle, Wash.
- †Dolison, Dean Marlow (*Harvard Univ. and Univ. of Pennsylvania*). Cleveland, Ohio
- ‡Drummy, William Wallace, Jr. (*Villanova Coll.*). Omaha, Nebr.
- †Evarts, Edward Vaughan (*Harvard Univ.*). Columbia, Tenn.
- †Fahl, James Cox (*Harvard Univ.*). West Reading, Pa.

- *Ferry, Ronald Mansfield, Jr., s.B. 1943 [Columbia Univ. Medical School].
Cambridge
- *Forrest, William Womble (*Univ. of North Carolina*) [Univ. of North Carolina Medical School].
Winston-Salem, N. C.
- *Foss, Rodney Ham, s.B. (*Yale Univ.*) 1942, s.M. (*ibid.*) 1944 [Albany Medical Coll.].
Portland, Maine
- ‡Fremont-Smith, Kenneth (*Harvard Univ.* and *Univ. of Wisconsin*).
Cambridge
- *Fulton, Lyman Avard (*Harvard Univ.*) [Louisiana State Univ. School of Medicine].
Johnson City, Tenn.
- †Funkhouser, Robert Kay (*Harvard Univ.*).
Winsted, Conn.
- †Fyler, Donald Charles (*Princeton Univ.* and *Univ. of Maryland*).
Silver Spring, Md.
- Gibson, David Mark, A.B. (*Wabash Coll.*) 1944.
Mansfield, Ohio
- †Gorlin, Richard (*Harvard Univ.*).
Jersey City, N. J.
- Gothberg, Loren August, s.B. (*Whitworth Coll.*) 1943. Yakima, Wash.
- *Grace, James Thomas, Jr., s.B. (*Yale Univ.*) 1945 [Univ. of Alabama Medical School].
Tallahassee, Ala.
- *Gray, Edward Barton, Jr. (*Harvard Univ.*) [Tufts Coll. Medical School].
West Newton
- ‡Greenleaf, Kenneth Russell (*Northeastern Univ.* and *Harvard Univ.*).
Foxboro
- †Gundersen, Gunnar Adolf (*Yale Univ.* and *Univ. of New Hampshire*).
La Crosse, Wis.
- †Gundersen, Sigurd Bjarne, Jr. (*Harvard Univ.*).
LaCrosse, Wis.
- †Haight, Thomas Hulen (*Univ. of Wyoming*).
Riverton, Wyo.
- ‡Hall, Thomas Christopher (*Harvard Univ.*).
New York, N. Y.
- *Hatch, Frederick Tasker, A.B. (*Dartmouth Coll.*) 1944 [Dartmouth Medical School].
Winchester
- *Hatt, William Swasey, A.B. (*Dartmouth Coll.*) 1944 [Dartmouth Medical School].
Longmeadow
- *Hay, Samuel Hutson, s.B. (*Davidson Coll.*) 1944 [Univ. of North Carolina Medical School].
Hickory, N. C.
- †Hiatt, Howard Haym (*Harvard Univ.*).
Worcester
- Hogan, John Forbes, Jr., s.B. (*Coll. of the Holy Cross*) 1945.
Pawtucket, R. I.
- *Hopkins, William Benjamin, Jr. (*The Citadel* and *Cornell Univ.*) [Medical College of Virginia].
Tampa, Fla.
- ‡Hough, Garry deNeuville, 3d (*Wesleyan Univ.*).
Longmeadow
- Hsia, David Yi-Yung, A.B. (*Haverford Coll.*) 1944.
New York, N. Y.
- Hum, Thomas Yort, s.B. (*Univ. of California*) 1943. San Francisco, Calif.

- †Huntley, Benjamin Franklin, 3d (*Washington and Lee Univ.* and *Duke Univ.*). *Winston-Salem, N. C.*
- †Ireland, Elwood Fremont, Jr. (*Bates Coll.* and *Univ. of Pennsylvania*).
Bethel, Maine
- ‡Isenberg, Howard Jay (*Univ. of Pennsylvania*). *Passaic, N. J.*
- Jackson, William Merrill, A.B. (*Antioch Coll.*) 1943. *Detroit, Mich.*
- ‡Jahn, Paul Herbert (*Emory Univ.*). *Winter Haven, Fla.*
- †Jakovic, Louis George (*Villanova Coll.*). *Steelton, Pa.*
- ‡Johns, Thomas Richards, 2d (*West Virginia Univ.*) *Morgantown, W. Va.*
- †Junda, Rudolph Joseph (*Princeton Univ.*). *Passaic, N. J.*
- *Kellum, Agrippa Spence (*N. W. Mississippi Junior Coll.* and *Univ. of Mississippi*) [*Univ. of Mississippi Medical School*]. *Tupelo, Miss.*
- *Kelly, Luther Wrentmore, Jr. (*Univ. of North Carolina*) [*Univ. of North Carolina Medical School*]. *Charlotte, N. C.*
- Kiyasu, William Sadao, A.B. (*Grinnell Coll.*) 1944. *San Francisco, Calif.*
- Lapham, Lowell Winship, A.B. (*Oberlin Coll.*) 1943. *Charles City, Iowa*
- *Lewallen, Charles Gorman (*Univ. of North Carolina*) [*Univ. of North Carolina Medical School*]. *Ridgecrest, N. C.*
- Linger, Robert Thomas (*West Virginia Univ.*). *Clarksburg, W. Va.*
- ‡Love, Donald Eugene (*Univ. of California*). *Oakland, Calif.*
- ‡McCarley, Tracey Holland, Jr. (*Virginia Military Inst.*). *McAlester, Okla.*
- †McCarty, William Mason (*Princeton Univ.*). *Audubon, N. J.*
- ‡McHale, Josiah Anderson (*Univ. of Michigan* and *Washington Univ.*).
Ann Arbor, Mich.
- *McLemore, George Ammie, Jr. (*Univ. of North Carolina*) [*Univ. of North Carolina Medical School*]. *Smithfield, N. C.*
- †MacLeod, John Adams (*Amherst Coll.*, *Univ. of Chicago* and *Washington and Lee Univ.*). *Amherst*
- *Margulis, Rajko (*Univ. of Belgrade*) [*Univ. of Belgrade Medical School*].
Belgrade, Yugoslavia
- *Mason, Roscoe Edward, s.B. (*Wake Forest Coll.*) 1943 [*Medical Coll. of Virginia*]. *Norfolk, Va.*
- †Mendelsohn, Mortimer Lester (*Harvard Univ.*). *New York, N. Y.*
- *Merrill, Joseph Melton (*Univ. of Alabama* and *Texas Agricultural and Mechanical Coll.*) [*Univ. of Alabama Medical School*]. *Andalusia, Ala.*
- ‡Milam, Daniel Franklin, Jr. (*Univ. of North Carolina*). *Boston*
- °Misrahy, George Albert (*Univ. of Paris* and *Fouad First University*) [*Egyptian Univ. Medical School*]. *Cairo, Egypt*
- †Mond, Ernest (*Univ. of Chicago* and *Washington Univ.*). *Chicago, Ill.*
- †Murray, Raymond Harold, Jr. (*Univ. of Notre Dame*). *Forest Hills, N. Y.*
- †Nagle, Walter William (*Dartmouth Coll.*). *Philadelphia, Pa.*
- Nakasone, Nobuyuki, s.B. (*Univ. of Hawaii*) 1943. *Labaina, Maui, Hawaii*

- Nicholson, Richard Waldo, A.B. (*Doane Coll.*) 1946. *Superior, Nebr.*
- *Nielsen, Talmage Whiting, A.B. (*Univ. of Utah*) 1945 [Univ. of Utah Medical School]. *Salt Lake City, Utah*
- Ohler, John Henry, A.B. (*Williams Coll.*) 1946. *Jamaica Plain*
- *O'Rear, Edgar Allen, Jr., A.B. (*Univ. of Alabama*) 1945 [Univ. of Alabama Medical School]. *Tuscaloosa, Ala.*
- ‡O'Rourke, Paul Francis (*Harvard Univ.*). *Cambridge*
- †Ortenburger, Arthur Irving, Jr. (*Univ. of Oklahoma*). *Norman, Okla.*
- †Parsons, David Willard (*Virginia Military Inst. and Duke Univ.*). *Louisville, Ky.*
- *Peabody, Charles Newton, 2d (*Harvard Univ.*) [Boston Univ. Medical School]. *Grosse Pointe, Mich.*
- Pechet, Maurice Murdoch, B.Sc. (*University of Alberta*) 1939, M.Sc. (*ibid.*) 1940, A.M. (*Harvard Univ.*) 1943, Ph.D. (*ibid.*) 1944. *Edmonton, Alberta, Canada*
- Petersen, Herbert Gerhard, Jr., A.B. (*Colgate Univ.*) 1943. *Mansfield, Pa.*
- †Phillips, Gerald Baer (*Princeton Univ.*). *Allentown, Pa.*
- ‡Pratt, George Francis (*Stanford Univ.*). *Bloomington, Ill.*
- ‡Prindle, Richard Alan (*Centenary Coll.*). *Shreveport, La.*
- *Prout, Thaddeus Edmund (*St. John's Coll. and Villanova Coll.*) [Medical Coll. of Virginia]. *Owings, Md.*
- †Radding, Philip (*Coll. of William and Mary and Univ. of North Carolina*). *Springfield*
- ‡Rattan, Walter Cooper (*Univ. of Texas*). *Abilene, Texas*
- ‡Ravin, Herbert Allen (*Tufts Coll.*). *Winthrop*
- Rehbein, Alfredo (*Williams Coll.*). *Barranquilla, Colombia*
- *Richardson, Fred Wetherbee, A.B. (*Dartmouth Coll.*) 1945 [Dartmouth Medical School]. *Laconia, N. H.*
- ‡Ritter, Emil Richard (*Dartmouth Coll. and Univ. of Chicago*). *Long Beach, Calif.*
- *Roberts, Thomas Nelson (*Univ. of Utah and DePauw Univ.*) [Univ. of South Dakota Medical School]. *Layton, Utah*
- *Rosa, Franz Weston (*Univ. of North Carolina*) [Univ. of North Carolina Medical School]. *Greensboro, N. C.*
- ‡Rudin, Donald Oliver (*Univ. of Colorado*). *Waiialua, Hawaii*
- ‡Rutledge, Ralph Leyda, Jr. (*Dartmouth Coll. and Mount Union Coll.*). *Alliance, Ohio*
- Scott, Alfred Witherspoon, Jr., S.B. (*Univ. of Georgia*) 1946. *Athens, Ga.*
- †Sears, Edward Manning (*Tufts Coll.*). *West Newton*
- ‡Shaw, Ian Anthony (*Univ. of Washington*). *Seattle, Wash.*
- *Simkus, Albert Andrew, A.B. (*Univ. of Alabama*) 1945 [Univ. of Alabama Medical School]. *New Britain, Conn.*

- ‡Smith, Blaine Leroy (*Univ. of Utah*). Salt Lake City, Utah
 ‡Snow, Joseph Cagle (*Harvard Univ.*). Abilene, Texas
 *Soule, William Carlton, A.B. (*Dartmouth Coll.*) 1945 [Dartmouth Medical School]. Baltimore, Md.
 †Southwick, Christopher Howard (*Harvard Coll.*). Grand Rapids, Mich.
 Spence, David Lee, A.B. (*Princeton Univ.*) 1946. Pittsburgh, Pa.
 †Steenburg, Richard Wesley (*Stanford Univ.*). Aurora, Nebr.
 *Stodder, Clement Paxton (*Harvard Univ.*) [Boston Univ. Medical School]. Brookline
 *Taylor, Billy Gray (*East Central Junior Coll.* and *Washington Univ.*) [Univ. of Mississippi Medical School]. Jackson, Miss.
 ‡Taylor, Robert George (*Allegheny Coll.*). Pittsburgh, Pa.
 †Teter, Joseph Gordon (*Harvard Univ.*). Wellesley Hills
 *Thompson, Clarence Thomas (*Louisiana State Normal School* and *Southwestern Louisiana Inst.*) [Univ. of Mississippi Medical School]. Baton Rouge, La.
 *Tickelis, Ignatios James, A.B. (*Dartmouth Coll.*) 1945 [Dartmouth Medical School]. Haverhill
 †Tosteson, Daniel Charles (*Harvard Univ.*). Wauwatosa, Wis.
 Troen, Philip, A.B. 1945 (1944). Portland, Maine
 †Vail, David Jameson (*Harvard Univ.*). Chicago, Ill.
 Vecchio, Thomas James, S.B. (*Manhattan Coll.*) 1944. New York, N. Y.
 ‡Vizcarrondo, Raul Celedonio (*Univ. of Puerto Rico* and *George Washington Univ.*). San Juan, Puerto Rico
 †Webster, Leslie Tillotson (*Amherst Coll.* and *Union Coll.*). Scarsdale, N. Y.
 ‡White, Orson Wayne (*Univ. of Utah*). Salt Lake City, Utah
 §Wilcox, Roger Eugene (*Montana State Univ.* and *West Virginia Univ.*). Missoula, Mont.
 *Witherington, Dexter Thompson, S.B. (*Davidson Coll.*) 1944 [Univ. of North Carolina Medical School]. Mount Olive, N. C.
 *Wood, James Edwin, 3d (*Davidson Coll.* and *Duke Univ.*) [Univ. of Virginia Medical School]. Charlottesville, Va.
 ‡Wooten, Greenwood S, Jr. (*Univ. of Texas*). Austin, Texas
 †Wulsin, Howard Elliott (*Harvard Univ.*). Boston
 †Zullo, Robert John (*Northwestern Univ.*). Port Reading, N. J.

SECOND CLASS

- ‡Alexander, John Terence (*Boston Univ.*). Brookline
 †Atherton, Eugene Ronald (*Johns Hopkins Univ.* and *Princeton Univ.*). Washington, D. C.
 ‡Benedict, Dora (*Bryn Mawr Coll.*, *Univ. of Chicago*, and *Stanford Univ.*). Cohasset
 Bennett, Doris Rubin, A.B. (*Wellesley Coll.*) 1944. Framingham

- Bigelow, Bradley, A.B. 1944 (1943). Boston
 ‡Birchard, William H (*Univ. of Vermont and Dartmouth Coll.*).
Shoreham, Vt.
- ‡Blanch, Euan True (*Univ. of Utah, Carnegie Inst. of Technology, and Syracuse Univ.*). Salt Lake City, Utah
- †Boblitt, Delbert Emroy (*Univ. of Illinois, Manhattan Coll., and Syracuse Univ.*). Divernon, Ill.
- ‡Boone, Charles Walter (*Univ. of Texas*). Inglewood, Calif.
- †Bowen, Edward Hooper, Jr. (*Brown Univ.*). Fall River
- §Brifman, Theodore (*Ohio State Univ. and Harvard Univ.*).
Cleveland, Ohio
- °Brown, Paul Marvin, s.B. (*Univ. of Oregon*) 1946 [Boston Univ. School of
 Medicine]. Portland, Oregon
- ‡Browning, Louis DeLoach, Jr. (*Univ. of Kentucky and Coll. of the City
 of New York*). Hopkinsville, Ky.
- ‡Bruner, John Martin Rutherford (*Harvard Univ.*). Upper Darby, Pa.
- Caires, Martha Joan Kern, A.B. (*Radcliffe Coll.*) 1945. Cambridge
- ‡Chadwick, Donald Roger (*Harvard Univ.*). Wollaston
- †Cheatham, James Spencer (*Univ. of Connecticut and Yale Univ.*).
Akron, Ohio
- †Clark, Sam Lillard, Jr. (*Vanderbilt Univ. and Duke Univ.*).
Nashville, Tenn.
- Collins, Raymond Prescott, A.B. 1947 (1945). Westford
- °Corvese, William Peter, A.B. (*Brown Univ.*) 1946 [Tufts Coll. Medical
 School]. Providence, R. I.
- ‡Daum, Stanley Walter (*Mount Union Coll. and Miami Univ.*).
Canton, Ohio
- †Dean, Henry Leon (*Florida Southern Coll.*). Philadelphia, Pa.
- Dotson, J C, s.B. 1946 (1945). El Paso, Texas
- †Downey, William Stephen, Jr. (*Boston Coll.*). New Bedford
- §Easterday, Charles Louis (*Ball State Teachers Coll. and Coll. of the City of
 New York*). Butler, Ind.
- ‡Eicholz, John Louis, Jr. (*Indiana Univ., Rhode Island State Coll., and Ham-
 ilton Coll.*). New Albany, Ind.
- Eidelman, Raquel, B.Sc. (*Univ. of San Marcos*) 1943, M.P.H. (*Harvard Univ.*)
 1945. Lima, Peru
- Eurman, Gerald Harold, A.B. (*Montclair State Teachers Coll.*) 1942.
Hoboken, N. J.
- †Fallows, James Albert (*Ursinus Coll.*). Jenkintown, Pa.
- ‡Ferber, Jerome (*Brooklyn Coll. and Coll. of the City of New York*).
Brooklyn, N. Y.
- ‡Fernandez-Herlihy, Luis (*St. Louis Univ.*). Washington, D. C.

- ‡Fox, Marsden Elwood (*Yale Univ.*, *Virginia Polytechnic Inst.* and *Princeton Univ.*).
Rochester, N. Y.
- ‡Frische, Louis Henry, Jr. (*Univ. of Arizona*, *Niagara Univ.*, and *New York Univ.*).
Tucson, Ariz.
- †Fry, Donald Lewis (*Marquette Univ.*).
Hudson, Wis.
- Gabriel, James Basil, A.B. (*Brown Univ.*) 1946.
New Bedford
- Gallup, Shirley Marilyn, A.B. (*Brown Univ.*) 1945.
Cranston, R. I.
- Gordon, Marcia Laura, A.B. (*Radcliffe Coll.*) 1945.
Chelsea
- ‡Grey, David Nelson (*Stanford Univ.*).
Glendale, Calif.
- ‡Griggs, Robert Charles (*Princeton Univ.*).
Manlius, N. Y.
- Gross, Gilbert Louis, A.B. (*Washington Univ.*) 1943.
St. Louis, Mo.
- ‡Gundersen, Adolf Loftsgaard (*Harvard Univ.*).
La Crosse, Wis.
- Harvey, Henry Stimson, A.B. (*Amherst Coll.*) 1938, B.D. (*Union Theological Seminary*) 1943.
Duxbury
- †Hayes, Thomas Bartholomew (*Emory Univ.*).
North Andover
- Haynes, John Steven, B.E. (*North Carolina State Coll.*) 1940, S.B. (*Univ. of Chicago*) 1945.
Chicago, Ill.
- ‡Hegemann, Idolene (*Bennington Coll.*).
Putney, Vt.
- ‡Hendler, Albert Frank (*Univ. of Texas*).
Temple, Texas
- ‡Herrod, Chester Edgar (*Newark Coll. of Engineering and Amherst Coll.*).
Chicago, Ill.
- ‡Hickler, Roger Baldwin (*Massachusetts Inst. of Technology*).
Bala-Cynwyd, Pa.
- §Holmstrom, Fritz Milton Gilbert (*Brown Univ.*, *Boston Coll.*, and *Amherst Coll.*).
Jamestown, N. Y.
- Horowitz, Melvin, A.B. (*Columbia Univ.*) 1945.
Brooklyn, N. Y.
- †Hubbard, Edwin Marshall (*Union Coll.*).
Bay Shore, Long Island, N. Y.
- ‡Hume, Walter Irvin, Jr., A.B. (*Williams Coll.*) 1946.
Louisville, Ky.
- ‡Jacobs, Ralph William (*Duke Univ.*).
Plainfield, N. J.
- †Jampol, Jesse Herbert (*Harvard Univ.*).
New York, N. Y.
- Jandl, James Harriman, S.B. (*Franklin and Marshall Coll.*) 1945.
Racine, Wis.
- °Johnson, Louis Fingal, Jr., S.B. (*Massachusetts State Coll.*) 1940 [Tufts Coll. Medical School].
Gloucester
- Katz, Jacob, A.B. (*Univ. of Vermont*) 1944.
New York, N. Y.
- ‡Kavanaugh, Charles Nicholas, Jr. (*Amherst Coll.*).
Lexington, Ky.
- Keller, John Wilbur, A.B. 1941 (1946).
Brookline
- †Kennedy, John Hines (*Princeton Univ.*).
Washington, D. C.
- Kirk, Marjorie Jane, A.B. (*Bryn Mawr Coll.*) 1943, A.M. (*Radcliffe Coll.*) 1944.
Upper Darby, Pa.
- †Leonard, Edward Joseph (*Harvard Univ.*).
Jamaica Plain
- †Lohr, Thomas Oliver (*New York Univ.*).
Saginaw, Mich.

- Lyons, Robert Douglas, A.B. and S.B. (*Southern Methodist Univ.*) 1945.
Dallas, Texas
- ‡McCurdy, Paul Ranney (*Wesleyan Univ.*).
Middletown, Conn.
- †Matthews, LeRoy William (*St. John's Univ.* and *John Carroll Univ.*).
St. Cloud, Minn.
- Moss, John Hunton, A.B. (*Wesleyan Univ.*) 1943.
Higganum, Conn.
- °Needy, Carl Kreimer, A.B. 1947 (1946) [Tufts Coll. Medical School].
Newton Highlands
- Niebel, James Denhart, A.B. (*Stanford Univ.*) 1943.
Palo Alto, Calif.
- †Oken, Donald (*Syracuse Univ.*).
New York, N. Y.
- ‡Oliver, Thomas Keyser, Jr. (*Univ. of California*).
Westwood, Calif.
- ‡Owen, William Reagan (*Univ. of Texas*).
Dallas, Texas
- †Perry, Richard Lacey (*Swarthmore Coll.*).
Woodmere, N. Y.
- Petit, Alan Wesley, A.B. 1941 (1942).
Ventura, Calif.
- †Pitts, John Dorsey (*Yale Univ.*).
Providence, R. I.
- ‡Puite, Robert Harmon (*Calvin Coll.*, *St. John's Univ.*, and *Harvard Univ.*).
Grand Rapids, Mich.
- †Reardan, John Birkhead (*Univ. of California*).
Sacramento, Calif.
- ‡Reynolds, John (*Univ. of Texas*).
Santa Barbara, Calif.
- †Riley, Francis James (*Harvard Univ.*).
West Roxbury
- ‡Robbins, Peter Gilman (*Harvard Univ.*).
Boston
- ‡Rutledge, Robb Howard (*Univ. of Michigan*).
Detroit Lakes, Minn.
- Sánchez, Guillermo Cornelio, A.B. 1946 (1945).
Guatemala City, Guatemala
- ‡Schoenheit, Edward William, Jr. (*Univ. of North Carolina*).
Asheville, N. C.
- Schwartz, Edith Ann, S.B. (*Radcliffe Coll.*) 1945.
New York, N. Y.
- ‡Smith, William Ogg (*Oklahoma Agricultural and Mechanical Coll.* and
Univ. of Texas).
Stillwater, Okla.
- ‡Sprout, William Lawrence (*Harvard Univ.*).
Rome, N. Y.
- ‡Starrels, Raymond James (*Swarthmore Coll.*).
Philadelphia, Pa.
- ‡States, John Dunham (*Univ. of Rochester*).
Rochester, N. Y.
- ‡Stokes, Joseph, 3d (*Haverford Coll.*).
Germantown, Pa.
- Stone, Edith Louise, A.B. (*Smith Coll.*) 1943.
Bradford, N. H.
- ‡Swanson, August George (*Westminster Coll.*).
York, Nebr.
- †Tanner, Jo Ann (*Univ. of California*).
Glendale, Calif.
- ‡Tarpley, Harold Irwin, Jr. (*Pennsylvania State Coll.*).
State College, Pa.
- Thurm, Richard Henry, S.B. 1946 (1945).
Forest Hills, N. Y.
- Tyler, John Mason, A.B. (*Univ. of Minnesota*) 1943.
St. Paul, Minn.
- †Vigneron, Eugene Morgan, Jr. (*Yale Univ.* and *Harvard Univ.*).
Salisbury, Conn.
- ‡Wagner, Joseph (*Queens Coll.*, *Massachusetts Inst. of Technology* and
Yale Univ.).
Woodside, N. Y.

- Walton, Richmond Lee, A.B. (*Drew Univ.*) 1944. West Orange, N. J.
 §Wells, Charles Howard (*Eau Claire State Teachers Coll., Providence Coll., and Amherst Coll.*). Hudson
 †Winn, William Edward, Jr. (*Southern Methodist Univ.*). Evansville, Ind.
 Wojcik, Ladislav Dolores, S.B. (*Simmons Coll.*) 1940. Three Rivers
 ‡Wolfe, Walter Brewster (*Harvard Univ.*). Pittsburgh, Pa.
 Wonka, Warren Joseph, A.B. (*Columbia Univ.*) 1944. Middle Village, N. Y.
 °Wright, Roger Howard, A.B. (*Miami Univ.*) 1945 [Univ. of Cincinnati Coll. of Medicine]. Winchester

FIRST CLASS

- Achenbach, Hartwig, S.B. (*Univ. of Florida*) 1943. Orlando, Fla.
 Aisenberg, Alan Clifford, S.B. 1945 (1946). New York, N. Y.
 ‡Allen, Richard Herbert (*Dartmouth Coll.*). Janesville, Wis.
 Applegarth, Adrienne Patricia, A.B. (*Univ. of California*) 1946. San Francisco, Calif.
 Babbitt, Rayma Lucille, S.B. (*Univ. of Arizona*) 1946. Flagstaff, Ariz.
 Bell, Edgar Dawson, Jr., A.B. (*Haverford Coll.*) 1942. Ingomar, Pa.
 Berlow, Stanley, A.B. (*Univ. of Michigan*) 1941, A.M. (*Harvard Univ.*) 1942. New York, N. Y.
 Bloomingdale, Lewis Morgan, S.B. (*Yale Univ.*) 1940, E.B. (*ibid.*) 1941. Scarsdale, N. Y.
 Borg, Donald Cecil, S.B. 1947 (1946). Scarsdale, N. Y.
 ‡Bower, Robert (*Harvard Univ., Washington Univ., and Univ. of Pennsylvania*). Wyncote, Pa.
 ‡Brennan, John Thomas, Jr. (*Coll. of the Holy Cross*). Brooklyn, N. Y.
 ‡Brittingham, Thomas Evans (*Princeton Univ. and Texas Christian Univ.*). Fort Worth, Texas
 Broadaway, Rufus Keene, S.B. (*Tufts Coll.*) 1946. Waltham
 Burke, Sean Kevin, A.B. (*Williams Coll.*) 1946. Holyoke
 Burroughs, John Townsend, A.B. (*Brown Univ.*) 1946. Akron, Ohio
 Chaney, Robert Horace, A.B. (*Univ. of California*) 1942. Lodi, Calif.
 Christie, William Edward, Jr., A.B. (*Boston Coll.*) 1943. Rockland
 Coe, Robert Campbell, S.B. (*Univ. of Washington*) 1940. Seattle, Wash.
 Colman, Edward Leonard, 2d, A.B. (*Yale Univ.*) 1942. Minneapolis, Minn.
 Coulter, Norman Arthur, Jr., S.B. (*Virginia Polytechnic Inst.*) 1941. Harrisburg, Pa.
 Creedon, Richard Joseph, A.B. 1945 (1946). Fords, N. J.
 Cronkhite, Leonard Wolsey, Jr., A.B. (*Bowdoin Coll.*) 1946 as of 1941. Cambridge
 Cummins, James Francis, 3d, S.B. (*Univ. of Illinois*) 1942, S.M. (*ibid.*) 1946. Olney, Ill.
 Davies, Frederick McAllister, S.B. (*Tufts Coll.*) 1946. Waltham

- Davis, Evelyn, A.B. (*Radcliffe Coll.*) 1939, A.M. (*Simmons Coll.*) 1944. *Brookline*
- Ducey, James Edward, S.B. (*Univ. of Pittsburgh*) 1946. *Sewickley, Pa.*
- Early, Robert Lawrence, S.B. (*Michigan State Coll.*) 1943. *Lansing, Mich.*
- ‡Eaton, John Harold (*Univ. of California*). *Rivera, Calif.*
- ‡Egdahl, Richard Harrison (*Dartmouth Coll.*). *Eau Claire, Wis.*
- Eisner, Victor, A.B. (*Stanford Univ.*) 1946. *San Francisco, Calif.*
- Ellison, Arthur Ellsworth, 3d, A.B. (*Williams Coll.*) 1946. *Richmond, Va.*
- ‡Estes, Hilliard Donald (*Univ. of Kansas*). *Montgomery, Ala.*
- ‡Feldmann, Robert John (*Univ. of Wisconsin*). *Glenview, Ill.*
- Field, Richard Allan, A.B. 1942 (1943). *Chicago, Ill.*
- Ford, Amasa Brooks, A.B. (*Yale Univ.*) 1943. *Shaker Heights, Ohio*
- ‡Frank, Howard David (*Univ. of Vermont and Phillips Univ.*). *Burlington, Vt.*
- ‡Franklin, Lewis Thomas (*Miami Univ.*). *Chillicothe, Ohio*
- ‡Frothingham, Thomas Eliot (*Harvard Univ.*). *Boston*
- Gair, Donald Saul, S.B. 1945. *New York, N. Y.*
- Gale, Arnold Sidney, A.B. 1940. *Brookline*
- ‡Garrett, John Joseph, Jr. (*Niagara Univ.*). *New Hartford, N. Y.*
- Gelman, Renée, A.B. (*Hunter Coll.*) 1945. *New York, N. Y.*
- Glimcher, Melvin Jacob, S.B. (*Purdue Univ.*) 1946. *Chelsea*
- Goldblatt, Julius Eli, S.B. (*Tufts Coll.*) 1941. *Lawrence*
- Gordon, Marvin Lee, A.B. (*Miami Univ.*) 1946. *Columbus, Ohio*
- Graham, Kenneth Merle, A.B. (*Allegheny Coll.*) 1941, A.M. (*Univ. of Illinois*) 1942. *Meadville, Pa.*
- Greenbaum, James Kennedy, A.B. (*Princeton Univ.*) 1942. *Kittanning, Pa.*
- Hannas, Ralston Raymond, Jr., S.B. (*Purdue Univ.*) 1939. *Western Springs, Ill.*
- Harris, Jesse Graham, Jr., A.B. 1947 (1946). *Jacksonville, Fla.*
- Head, John Morrison, A.B. (*Univ. of Missouri*) 1946. *Columbia, Mo.*
- Hollander, Walter, Jr., S.B. (*Haverford Coll.*) 1943. *Baltimore, Md.*
- Ireton, Richard Johnson, A.B. (*Ohio State Univ.*) 1946. *Van Wert, Ohio*
- ‡Isselbacher, Kurt Julius (*Harvard Univ.*). *Portsmouth, N. H.*
- Jochems, Theodore Paul, A.B. (*Univ. of Notre Dame*) 1940. *Wichita, Kans.*
- Kirkman, Caswell Macon Thompson, Jr., A.B. (*The Univ. of the South*) 1943. *Helena, Ark.*
- Kirn, George John, S.B. 1946 (1945). *Council Bluffs, Iowa*
- Kliewer, David Donald, S.B. (*Wheaton Coll.*) 1939. *Albany, Ore.*
- ‡Kramer, John Charles (*Univ. of Oklahoma, Johns Hopkins Univ., and George Washington Univ.*). *Tulsa, Okla.*
- Kriete, Bertrand Carl, A.B. (*DePauw Univ.*) 1937. *Cincinnati, Ohio*

- †Kuthy-Porter, José (*Cristobal Colon Univ.* and *Univ. of California*).
Mexico, D. F.
- ‡Lambrinudi, Alexander John (*Univ. of Athens*). Athens, Greece
- ‡Lance, Richard Victor (*Univ. of Washington* and *South Dakota School of Mines*).
Bothell, Wash.
- ‡Lane, Frank Wesley, Jr. (*Cambridge Jr. Coll.* and *Harvard Univ.*).
Waltham
- ‡Laster, Leonard (*Harvard Univ.*). New York, N. Y.
- ‡Lear, Arnold Albert (*New York Univ.*). Long Island City, N. Y.
- Lee, Feung Bok, s.B. (*Oregon State Coll.*) 1942. Corvallis, Ore.
- Liva, Edward Louis, s.B. 1947 (1946). Lyndhurst, N. J.
- Logan, William Bryant, Jr., s.B. (*Yale Univ.*) 1946. Pelham Manor, N. Y.
- Lusted, Lee Browning, A.B. (*Cornell Coll.*) 1943. Cambridge
- ‡Macomber, Peter Browne (*Amherst Coll.*, *Univ. of Maine*, and *Bowdoin Coll.*).
Brunswick, Maine
- Mandelstam, Paul, A.B. 1944 (1945), A.M. 1946. Allston
- †Margulis, Alexander (*Univ. of Belgrade*). Belgrade, Yugoslavia
- Merryfield, Lloyd William, s.B. (*California Inst. of Technology*) 1942, s.M. (ibid.) 1943. Compton, Calif.
- ‡Miller, William Paul (*Univ. of Washington*). Seattle, Wash.
- Minot, Henry Davis, Jr., A.B. 1940 (1941). Boston
- Mitchell, Avard Marion, s.B. (*Mount Union Coll.*) 1941, s.M. (*Purdue Univ.*) 1943. Canton, Ohio
- ‡Moldawer, Marc Perlstein (*Univ. of Pennsylvania* and *Harvard Univ.*).
Philadelphia, Pa.
- †Mora-Castañeda, Federico (*Univ. of Guatemala* and *Harvard Univ.*).
Guatemala, C. A.
- Morrison, Robert Stier, A.B. (*Univ. of Missouri*) 1946. Lexington, Mo.
- O'Meara, Maurice Patrick, s.B. (*Tufts Coll.*) 1946. West DePere, Wis.
- Owens, Guy, s.B. (*Tufts Coll.*) 1946. Amarillo, Texas
- ‡Parks, John Hulbert, A.B. (*Dartmouth Coll.*) 1946. Los Angeles, Calif.
- Patterson, William Bradford, A.B. 1942. Granby, Conn.
- Petty, Charles Sutherland, s.B. (*Univ. of Washington*) 1941, s.M. (ibid.) 1946.
Seattle, Wash.
- Pikula, John Vernon, s.B. (*Univ. of Florida*) 1941. Fernandina, Fla.
- Powell, Marvin Julius, s.B. 1947 (1946). Annawan, Ill.
- ‡Proudfoot, Warren Harding (*Harvard Univ.*) Belington, W. Va.
- Ramirez de Arellano, Alfredo Antonio, s.B. (*Univ. of Puerto Rico*) 1945.
Santurce, Puerto Rico
- Richards, William Allen, s.B. 1943 (1944). Waltham
- ‡Robuck, John D, Jr. (*Mesa Jr. Coll.*, *Colorado Coll.*, and *Univ. of California*).
Montrose, Colo.

- Rock, Herbert Gerald, s.B. (*New York State Coll.*) 1941. *Plattsburg, N. Y.*
 ‡Rockwood, Wade (*Harvard Univ.*) *East Aurora, N. Y.*
 ‡Ross, Merrill Herbert (*Cornell Univ.*). *Bronx, N. Y.*
 Sachs, Marvin Leonard, A.B. (*Yale Univ.*) 1946. *Allentown, Pa.*
 Salibi, Bahij Sulayman, B.A. (*American Univ. of Beirut*) 1941, M.A. (*ibid.*)
 1944. *Beirut, Lebanon*
 Schwartz, Herman Arthur, s.B. (*Cornell Univ.*) 1941. *New York, N. Y.*
 Scribani-Rossi, Franca Enrica, A.B. (*Univ. of California*) 1946.
New York, N. Y.
 Sears, Kenneth Louis, s.B. (*Univ. of Illinois*) 1940. *Plano, Ill.*
 Sheldon, David Butterfield, s.B. (*California Inst. of Technology*) 1946.
Los Angeles, Calif.
 ‡Shields, Daniel Roger (*Harvard Univ.*). *Sugar Grove, Ill.*
 Slingerland, Dorraine Ward, s.B. 1943 (1944). *Pleasantville, N. Y.*
 Smythe, Richard Landis, A.B. 1947 (1946). *Indianapolis, Ind.*
 Staley, Jack Ramsey, s.B. (*Union Coll.*) 1946. *Schenectady, N. Y.*
 †Stern, Ruth Sylvia (*Radcliffe Coll.*). *Newton Center*
 Summer, George Kendrick, s.B. (*Univ. of North Carolina*) 1944.
Cherryville, N. C.
 ‡Sykes, James Louis (*Pennsylvania State Coll. and Youngstown Coll.*).
Savannah, Ga.
 Tully, Bernard Michael, s.B. (*Univ. of Miami*) 1947. *Chicago, Ill.*
 Walker, Kenneth Francis, B.A. (*Univ. of Toronto*) 1946.
Niagara Falls, Ontario, Canada
 White, Roger Ferris, s.B. (*Kansas State Coll.*) 1940, s.M. (*Washington State*
Coll.) 1946. *Buda, Ill.*
 ‡Whitfield, Thomas Japheth, 3d (*Duke Univ.*). *Suffolk, Va.*
 Williams, Thomas Franklin, s.B. (*Univ. of North Carolina*) 1942, A.M. (*Col.*
umbia Univ.) 1943. *Landis, N. C.*
 ‡Wise, Gordon Francis (*Michigan State Coll. and Univ. of Arkansas*).
Palo, Mich.
 Wolff, Richard, A.B. 1944 (1943). *Brookline*

SUMMARY

Fourth Year	130
Third Year	141
Second Year	104
First Year	113
Total	488

COLLEGES REPRESENTED

Alabama Polytechnic Institute	2	Iowa, State University of	1
Alabama, University of	8	John Carroll University	1
Alberta, University of	1	Johns Hopkins University	4
Allegheny College	3	Kansas City Jr. College	1
American University of Beirut	1	Kansas State College	1
Amherst College	11	Kansas, University of	1
Antioch College	2	Kentucky, University of	2
Arizona, University of	2	Louisiana State Normal	1
Arkansas, University of	1	Loyola University	1
Athens, University of (Greece)	1	Lynchburg College	1
Ball State Teachers College	1	Lyon, University of (France)	1
Bates College	3	McGill University	1
Belgrade, University of (Yugoslavia)	2	Maine, University of	1
Bennington College	1	Manhattan College	2
Bethany College	1	Marquette University	1
Boston College	4	Maryland, University of	1
Boston University	2	Massachusetts Institute of Technology	5
Bowdoin College	2	Mesa Jr. College	1
Brooklyn College	1	Miami, University of	1
Brown University	8	Miami University	3
Bryn Mawr College	2	Michigan State College of Agriculture and Applied Science	2
California Institute of Technology	1	Michigan, University of	4
California, University of	16	Middlebury College	2
Calvin College	1	Millsaps College	1
Cambridge Jr. College	1	Minnesota, University of	1
Carleton College	1	Mississippi, University of	2
Carnegie Institute of Technology	1	Missouri, University of	4
Centenary College	1	Montana State University	1
Chicago, University of	6	Montclair State Teachers College	1
Colgate University	1	Mount Union College	3
College of the City of New York	3	Newark College of Engineering	1
College of the Holy Cross	3	New Hampshire, University of	1
College of the Pacific	1	New York State College	1
College of William and Mary	2	New York University	4
Colorado College	1	Niagara University	2
Colorado, University of	5	North Carolina State College of Agriculture and Engineering	1
Columbia University	5	North Carolina, University of	21
Connecticut, University of	1	Northeastern University	1
Cornell College	1	Northwest Mississippi Jr. College	1
Cornell University	3	Northwestern University	2
Cristobal Colon Universidad	1	Notre Dame, University of	3
Dartmouth College	16	Oberlin College	2
Davidson College	5	Ohio State University	2
DePauw University	2	Oklahoma, University of	2
Doane College	1	Oklahoma Agricultural and Mechanical College	1
Drew University	2	Oregon State College	1
Drury College	1	Paris, University of (France)	2
Duke University	6	Pennsylvania State College	3
East Central Jr. College	1	Pennsylvania, University of	5
Eau Claire State Teachers College	1	Phillips University	1
Emory University	2	Pittsburgh, University of	1
Florida Southern College	1	Pomona College	1
Florida, University of	3	Princeton University	22
Fouad First University (Egypt)	1	Providence College	2
Franklin and Marshall College	1	Puerto Rico, University of	2
Geneva College	1	Purdue University	3
George Washington University	2	Queens College	1
Georgia, University of	1	Radcliffe College	6
Goddard College	1	Rhode Island State College	1
Grinnell College	1	Rice Institute	1
Guatemala, University of	1	Rochester, University of	2
Hamilton College	3	St. John's College	1
Harvard University	111	St. John's University	2
Haverford College	8	St. Louis University	1
Hawaii, University of	1	San Marcos, University of (Peru)	1
Hunter College	1		
Illinois, University of	4		
Indiana University	1		

Simmons College	2	Wake Forest College	2
Smith College	1	Washington and Lee University	2
South Dakota School of Mines	1	Washington State College	1
South Dakota, University of	1	Washington University	8
South, University of the	1	Washington, University of	7
Southern Methodist University	2	Wellesley College	1
Southwestern Louisiana Institute	1	Wesleyan University	4
Stanford University	6	Westminster College (Missouri)	2
Swarthmore College	3	West Virginia University	4
Syracuse, University of	3	Wheaton College (Illinois)	1
Texas Agricultural and Mechanical College	1	Whitworth College	1
Texas Christian University	1	Williams College	6
Texas, University of	8	Wilno, University of (Poland)	1
The Citadel	2	Wisconsin, University of	3
Toronto, University of	1	Wyoming, University of	2
Tufts College	8	Yale University	24
Union College	5	Youngstown College	1
Union Theological Seminary	1		
Ursinus College	1	Total	584
Utah, University of	5	Names counted more than once	96
Vanderbilt University	1		
Vermont, University of	3	Total number of students	488
Villanova College	3	Entered Advanced Standing	66
Virginia Military Institute	2	Number of colleges represented	177
Virginia Polytechnic Institute	2	Number of college graduates	191
Virginia, University of	3	Number of non-graduates	297
Wabash College	1		

MEDICAL SCHOOLS REPRESENTED BY MEN WHO ENTERED
SCHOOL WITH ADVANCED STANDING

Alabama, University of	9	South Dakota, University of	2
Albany Medical College	1	Tufts College	4
Belgrade, University of (Jugoslavia)	1	Utah, University of	1
Boston University	3	Virginia, Medical College of	3
Cincinnati, University of	1	Virginia, University of	1
Columbia University	1	Washington University	1
Dartmouth College	9	Wilno, University of (Poland)	1
Fouad First University (Cairo)	1		
Jefferson Medical College	1	Total	66
Louisiana State University	1	Total number of men admitted to ad- vanced standing	66
Michigan, University of	1	Total number of men admitted to first year standing	422
Mississippi, University of	6		
Missouri, University of	3	Total	488
Nebraska, University of	1		
North Carolina, University of	14		

REGISTRATION

September 22, 1947 — June 10, 1948

FIRST YEAR
FIRST HALF YEAR*

SEPTEMBER 22, 1947 — JANUARY 31, 1948 (All dates inclusive)

HOOR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-1	Anatomy	Histology	Anatomy	Histology	Histology	Voluntary Clinics
2-5	Anatomy	Histology	Anatomy	Histology	Anatomy	

* All exercises in Building B.

SECOND HALF YEAR †

FEBRUARY 2 — MAY 29, 1948 (All dates inclusive)

9-1	Biological Chemistry	Physiology	Biological Chemistry	Physiology	Biological Chemistry Lecture and Conference	Physiology Lecture and Conference
					(April 23—May 22) 11:30—12:30 Medical Psychology	(April 23—May 22) 11:30—12:30 Medical Psychology
2-5	Biological Chemistry	Physiology	Biological Chemistry	Physiology	Voluntary Courses	

† All exercises in Building C.

Examination Period: June 1—June 8

Vacations: Dec. 21—Jan. 4
April 11—19

Holidays: Oct. 13 Feb. 23
Nov. 11 Apr. 19
Nov. 27 May 31

SEPTEMBER 22, 1947 - MAY 29, 1948 (All dates inclusive)

DATES	HOOR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Sept. 22-Jan. 31 (16 weeks)	9-10	Pathology (Bldg. D)	Pharmacology (1/2 Class-Alt. Weekly) Sept. 23-Dec. 20 (Bldg. E) Parasitology Jan. 6-Jan. 27 (Bldg. D)	Pathology (Bldg. D)	Pharmacology (1/2 Class-Alt. Weekly) Sept. 23-Dec. 20 (Bldg. E) Parasitology Jan. 6-Jan. 27 (Bldg. D)	Pathology (Bldg. D)	Pharmacology (1/2 Class-Alt. Weekly) Sept. 23-Dec. 20 (Bldg. E) Parasitology Jan. 6-Jan. 27 (Bldg. D)
	10-12.30						
Sept. 2-2-May 29 (16 weeks)	12.30-1	Pathology Feb. 2-Apr. 9 10 weeks Neuropathology Apr. 21-May 28 6 weeks (Bldg. D)	Medicine * †	Pathology Feb. 2-Apr. 9 10 weeks Neuropathology Apr. 21-May 28 6 weeks (Bldg. D)	Surgery *	Pathology Feb. 2-Apr. 9 10 weeks Neuropathology Apr. 21-May 28 6 weeks (Bldg. D)	Medicine * †
	8.30-9						
	9-9.30						
	9.30-10						
Feb. 2-May 29 (16 weeks)	10-11	Medicine *	Div. A: Med. (Phys. Diag.) Div. B: Surgery * { Divisions Alternate Weekly }	Neurology and Psychiatry ‡	Div. B: Med. (Phys. Diag.) Div. A: Surgery * { Divisions Alternate Weekly }	Medicine *	Div. A: Med. (Phys. Diag.) Div. B: Surgery * { Divisions Alternate Weekly }
	12-1						

A. M.

P. M.

† A few of these lectures have been given to the Department of Surgery.
 ‡ Feb. 4-Mar. 26 B.C.H.* Apr. 2-May 28 M.G.H.*
 * See mimeographed schedule for place of meeting.

Holidays: Oct. 13, Nov. 11
 Nov. 27, Feb. 23
 April 19, May 31
 Vacations: Dec. 21-Jan. 4
 April 11-19

Examination Period: June 1-June 8

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30-9.30	Lecture ½ of Class: I. Medicine II. Med. Spec.* ½ of Class: I. Surgery II. Surg. Spec.† ½ of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture ½ of Class: I. Med. Spec.* II. Medicine ½ of Class: I. Surg. Spec.† II. Surgery ½ of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture ½ of Class: I. Medicine II. Med. Spec.* ½ of Class: I. Surgery II. Surg. Spec.† ½ of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture ½ of Class: I. Med. Spec.* II. Medicine ½ of Class: I. Surg. Spec.† II. Surgery ½ of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture ½ of Class: I. Medicine II. Med. Spec.* ½ of Class: I. Surgery II. Surg. Spec.† ½ of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology	Lecture ½ of Class: I. Med. Spec.* II. Medicine ½ of Class: I. Surgery II. Surg. Spec.† ½ of Class: A { Pediatrics Orthopaedic Surgery B { Obstetrics § Otolaryngology Ophthalmology
10-12.30	½ of Class: Medicine ½ of Class: Surgery ½ of Class: { Pediatrics Orthopaedic Surgery	FREE	½ of Class: Medicine ½ of Class: Surgery ½ of Class: { Pediatrics Orthopaedic Surgery	FREE	Lecture Preventive Medicine 2-3 Clinical Conference 3-5 Twelve Lectures Legal Medicine 4.15-5.15	FREE
2-5						

* Med. Spec. = Neurology, Psychiatry, Dermatology, † Surg. Spec. = Genito-Urinary Surgery, Gynaecology, Laryngology.
 § For this course the students are assigned to one of the districts of the B. L. I. and are on duty twenty-four hours a day for a period of ten or eleven days. The Class is divided into thirds and the Medical and Surgical thirds are made up of two groups:
 Group I. — Having Medicine (or Surgery) on Mondays, Wednesdays and Fridays and the Medical (or Surgical) specialties on Tuesdays, Thursdays and Saturdays.
 Group II. — Having Medicine (or Surgery) on Tuesdays, Thursdays and Saturdays and the Medical (or Surgical) specialties on Mondays, Wednesdays and Fridays.
 The Third having Pediatrics, etc., is made up of Divisions A and B. These Divisions interchange every 32 days.
 The Thirds interchange every 64 days.
 Vacation: Dec. 21-Jan. 4
 April 11-19
 Holidays: Oct. 13, Nov. 11, Nov. 27, Feb. 23, April 19.

FOURTH YEAR

SEPTEMBER 22, 1947 — JUNE 10, 1948

(Each block represents one month. Order of subjects variable.)

	1	2	3	4
MORNING	Medicine C1, C2, C3*, or C4*	Medicine C1, C2, C3*, or C4*	Surgery C1, C2, C3*, or C4*	Surgery C1, C2, C3*, or C4*
AFTERNOON				
	5	6	7	8
MORNING	Obstetrics C1	Pediatrics C1 or C2	Psychiatry C1, C2, or C3	Elective
AFTERNOON				

In addition to the seven months' required work, each student may elect courses for four additional months by anticipating work during the summer months.

ON JUNE 5, 1947, ONE HUNDRED AND THIRTY-ONE DEGREES WERE
CONFERRED AS FOLLOWS:

M.D.

- Adams, George Carlisle, s.B. 1945 (1944)
 Austin, Stephen Drake
 Baldwin, Warren Charles
 Barlow, Horace Basil, B.A. (*University of Cambridge*) 1943
 Beachley, Charles Edward, Jr., A.B. (*Johns Hopkins University*) 1943
 Beiler, David Davis, A.B. (*Allegheny College*) 1943
 Bell, Alfred Lee Loomis, Jr.
 Benjamin, Bry, s.B. (*Yale University*) 1944
 Bennett, Warren
 Bierman, Charles Warren
 Billings, Edmund, Jr., s.B. (*Yale University*) 1945
 Blum, Alexander, Jr., s.B. (*Yale University*) 1944
 Borra, Mario John
 Brackett, Nathaniel Parker, Jr.
 Brady, Roscoe Owen, Jr.
 Braun, Harold Arthur
 Braunstein, Paul William, s.B. (*College of the Holy Cross*) 1945
 Brockhurst, Robert John, s.B. (*Union College*) 1943
 Brumback, Frank Edgar
 Bucknam, Frank Gilbert, s.B. (*Yale University*) 1944
 Butcher, Leland L, Jr.
 Butler, Elza Farrell, s.B. (*University of Missouri*) 1945
 Carleton, Henry Guy
 Carson, Paul Elbert, Jr.
 Christopher, Ralph Coleman, Jr., s.B. (*Alabama Polytechnic Institute*) 1944
 Cole, Donald Packard, Jr., A.B. (*Dartmouth College*) 1944
 Dale, Paul Worthen
 Dannenberg, Arthur Milton, Jr., A.B. (*Swarthmore College*) 1944
 Davis, James McCorkle, Jr., s.B. (*Davidson College*) 1943
 Davis, Nathan Smith, Jr.
 Deckoff, Stephen Lionel, s.B. (*Yale University*) 1943
 deLong, Robert Paul, A.B. (*Haverford College*) 1945
 Dickson, James Francis, 3d, A.B. (*Dartmouth College*) 1944
 Donald, Dan Caldwell, Jr., A.B. (*University of Alabama*) 1943
 Duggan, John Albert, A.B. (*Boston College*) 1944
 Easton, Frederic Willard, 3d, A.B. (*Brown University*) 1944
 Edwards, Donal Carlyle

- Egloff, Frank Rattray Lillie
Endsley, Fred Starr, Jr.
Fisher, Bruce Melton
Fister, Harry William
Follo, Paige Bill, A.B. (*University of Alabama*) 1944
Fowler, Fred DuMont, Jr.
Germain, Ronald Oliver, A.B. 1945 (1947)
Godwin, Harold Lacy, S.B. (*University of North Carolina*) 1944
Goodrich, Donald Wells, Jr.
Graham, Garth Kinsey, A.B. (*Princeton University*) 1944
Greenhouse, Charles Raynes
Grillo, Hermes Conrad, A.B. (*Brown University*) 1943
Gutstein, Armin Edward
Hall, Charles Chauncey, S.B. (*Yale University*) 1944
Hart, Kirby Thompson, Jr.
Haskins, Donald Miller, S.B. (*University of South Dakota*) 1945
Hoberman, Henry Don, A.B. (*Columbia University*) 1936, PH.D. (*ibid.*) 1942
Hoepflich, Paul Daniel
Hopkins, Robert West
Hornbeck, William Jay
Howell, David Sanders
Johnson, Edward Lewis, A.B. (*University of Alabama*) 1944
Johnston, James Renfrew, 3d
Jordan, Weldon Huske, S.B. (*University of North Carolina*) 1944
Kennedy, Benjamin Hughes, 3d, A.B. (*University of Alabama*) 1944
King, Jack Victor, S.B. (*Millsaps College*) 1943
Knudsen, Robert Telford Andrew
LaBarre, Joseph Elmer, S.B. (*Bethany College*) 1943
Lansing, Cornelius
Larimer, Robert Chase
Lasley, Charles Haden, S.B. (*University of Florida*) 1943
Lippitt, Devereux Haigh, 2d
MacAusland, William Russell, Jr.
McKnight, Robert Donald, S.B. (*Drury College*) 1943
McMurrey, James Douglas
Mangum, Carlyle Thomas, S.B. (*University of North Carolina*) 1943
Minkler, Donald Harold
Minor, Charles Launcelot
Monroe, John Howard, S.B. (*University of North Carolina*) 1944
Montello, Samuel Anthony, A.B. (*University of Rochester*) 1945
Morrison, Samuel Slemmons
O'Connor, Harrison Joseph, A.B. (*Dartmouth College*) 1944

Olney, John McLean, Jr.
 Orrahood, Marvin David, A.B. (*West Virginia University*) 1944
 Palmer, William Gaston, S.B. (*University of North Carolina*) 1944
 Peete, Charles Henry, Jr.
 Peete, William Pettway Jones, A.B. (*University of North Carolina*) 1942
 Piper, Clinton Albert
 Porell, William John, 2d
 Prodell, John Hubert, Jr., A.B. (*Drew University*) 1943
 Raisz, Lawrence Gideon
 Reynolds, Robert Belknap, A.B. (*Carleton College*) 1944
 Robinson, Brewster Calhoun, S.B. (*Millsaps College*) 1943
 Robinson, Elliott Stirling, Jr.
 Rothwell, Walter Spray, A.B. (*Dartmouth College*) 1944
 Sanctuary, Richard Albert, A.B. (*Amherst College*) 1943
 Sandifer, Myron Guy, Jr., S.B. (*Davidson College*) 1943
 Scanlan, James Jean, S.B. (*Providence College*) 1943
 Shambaugh, Benjamin, A.B. (*Amherst College*) 1943
 Shannon, James Menzies, A.B. (*Princeton University*) 1944
 Shea, John Joseph, Jr.
 Sleisenger, Marvin Herbert
 Smith, Hugo Dunlap, S.B. (*Yale University*) 1944
 Spear, Harold Charles, S.B. (*Yale University*) 1944
 Spiro, Howard Marget, A.B. 1944 (1943)
 Stevens, Arnold Marsh, S.B. (*Bates College*) 1943
 Stevens, Kingsley Morton, S.B. (*Lynchburg College*) 1943
 Swartz, Morton Norman
 Tang, Yiwen Yves
 Taylor, William Jape, S.B. (*Yale University*) 1944
 Thomas, James Henry, A.B. (*University of Alabama*) 1942
 Uhl, Henry Stephen Magraw, A.B. (*Princeton University*) 1942
 Versaci, Armand Dominick
 Walsh, Ewart Geoffrey, B.A. (*University of Oxford*) 1943
 Waring, William Winburn
 Wedgwood, Ralph Josiah Patrick
 West, Weldon Wallace, A.B. (*College of the Pacific*) 1943
 Winn, Dean Flewellyn, Jr., A.B. (*University of North Carolina*) 1944
 Wynne, Lyman Carroll
 Wyse, Robert James, S.B. (*University of Washington*) 1944
 Zufall, Robert Bunger

M.D. *cum Laude*

Avery, John Sargent
 Cigarroa, Joaquin Gonzalez, Jr.

Clark, Lincoln Dufton
 Cummer, Frederick Henry, Jr.
 Licciardello, Anthony Thomas, s.B. (*Tufts College*) 1943
 Littlefield, John Walley
 Oren, William Franklin
 Rogerson, Alexander Greenleaf
 Ross, Richard Starr
 Selverstone, Norman Jonas, A.B. (*Columbia University*) 1944
 Smythe, Cheves McCord
 Winter, William David, Jr.

M.D. *Magna cum Laude*

Ingbar, Sidney Harold

1947-1948

FOURTH CLASS

‡Adams, Jesse Earl, Jr. (*Univ. of Kentucky*). *Lexington, Ky.*
 *Angle, William Dodge (*Univ. of Michigan*) [Univ. of Michigan Medical School]. *Lincoln, Nebr.*
 §Applegarth, John Jerrold (*Univ. of California*). *San Francisco, Calif.*
 ‡Austin, James Henry (*Brown Univ.*). *Toledo, Ohio*
 †Bates, Frank Dudley (*Massachusetts Inst. of Technology*). *Snyder, N. Y.*
 *Beddingfield, Edgar Theodore, Jr. (*Univ. of North Carolina*) [Univ. of North Carolina Medical School]. *Clayton, N. C.*
 ‡Bell, George Erick, Jr. (*Wake Forest Coll.*). *Wilson, N. C.*
 ‡Bender, Merrill Arthur (*Middlebury Coll. and Goddard Coll.*). *Cleveland, Ohio*
 ‡Bisland, Theodore Wensel, Jr. (*Yale Univ.*). *Memphis, Tenn.*
 †Blitzer, John Ritchie (*Harvard Univ. and Univ. of Wisconsin*). *Ossining, N. Y.*
 *Botwin, Arnold Ellis, A.A. (*Kansas City Junior Coll.*) 1944 [Univ. of Missouri Medical School]. *Kansas City, Mo.*
 ‡Bougas, James Andrew (*Massachusetts Inst. of Technology*). *Bismarck, N. Dak.*
 *Bragdon, Douglas Estes, s.B. (*Bates Coll.*) 1940, A.M. (*Harvard Univ.*) 1941 [Washington Univ. Medical School]. *Portland, Maine*
 ‡Brand, Eugene Dew (*The Citadel and Univ. of Virginia*). *Houston, Texas*
 Brown, Curtland Chester, Jr., A.B. 1944. *Beverly*
 †Burns, Stanley Sherman, Jr. (*Haverford Coll.*). *St. Louis, Mo.*
 ‡Callaghan, Edward Eugene (*Univ. of Wyoming and Washington Univ.*). *Cheyenne, Wyo.*

- †Chaimovitz, David Labe (*Geneva Coll.*). *Aliquippa, Pa.*
- *Chilmoneczyk, Waclaw (*Univ. of Wilno*) [Univ. of Wilno Medical School].
Salem
- Clark, Malcolm David, A.B. (*Williams Coll.*) 1943. *Minneapolis, Minn.*
- Cobb, John Candler, 2d, S.B. 1941. *Milton*
- *Conerly, Dawson Brumfield, Jr. (*Univ. of Mississippi* and *Emory Univ.*)
[Univ. of Mississippi Medical School]. *Kokomo, Miss.*
- *Connolly, John Earle (*Harvard Univ.*) [Jefferson Univ. Medical School].
Omaha, Nebr.
- Criscitiello, Modestino Giuseppe, A.B. (*Princeton Univ.*) 1947. *Pittsfield*
- †Crocker, Allen Carrol (*Massachusetts Inst. of Technology*). *Belmont*
- †Davis, Jack Beason (*Univ. of Virginia*). *Andrews, N. C.*
- ‡De la Cruz, Edgar Francisco Alejandro (*Princeton Univ.*).
San José, Costa Rica
- ‡Dodge, Harold Tracy, Jr. (*Univ. of Washington*). *Seattle, Wash.*
- †Dolison, Dean Marlow (*Harvard Univ.* and *Univ. of Pennsylvania*).
Cleveland, Ohio
- ‡Drummy, William Wallace, Jr. (*Villanova Coll.*). *Omaha, Nebr.*
- †Everts, Edward Vaughan (*Harvard Univ.*). *Columbia, Tenn.*
- †Fahl, James Cox (*Harvard Univ.*). *West Reading, Pa.*
- *Ferry, Ronald Mansfield, Jr. (*Harvard Univ.*) [Columbia Univ. Medical
School]. *Cambridge*
- *Forrest, William Womble (*Univ. of North Carolina*) [Univ. of North
Carolina Medical School]. *Winston-Salem, N. C.*
- *Foss, Rodney Ham, S.B. (*Yale Univ.*) 1942, S.M. (*ibid.*) 1944 [Albany
Medical Coll.]. *Portland, Maine*
- ‡Fremont-Smith, Kenneth (*Harvard Univ.* and *Univ. of Wisconsin*).
Cambridge
- *Fulton, Lyman Avarad (*Harvard Univ.*) [Louisiana State Univ. School of
Medicine]. *Johnson City, Tenn.*
- †Funkhouser, Robert Kay (*Harvard Univ.*). *Winsted, Conn.*
- †Fyler, Donald Charles (*Princeton Univ.* and *Univ. of Maryland*).
Silver Spring, Md.
- Gibson, David Mark, A.B. (*Wabash Coll.*) 1944. *Mansfield, Ohio*
- †Gorlin, Richard (*Harvard Univ.*). *Jersey City, N. J.*
- Gothberg, Loren August, S.B. (*Whitworth Coll.*) 1943. *Yakima, Wash.*
- *Grace, James Thomas, Jr., S.B. (*Yale Univ.*) 1945 [Univ. of Alabama Medi-
cal School]. *Tallasse, Ala.*
- *Gray, Edward Barton, Jr. (*Harvard Univ.*) [Tufts Coll. Medical School].
West Newton
- ‡Greenleaf, Kenneth Russell (*Northeastern Univ.* and *Harvard Univ.*).
Foxboro

- †Gundersen, Gunnar Adolf (*Yale Univ.* and *Univ. of New Hampshire*).
LaCrosse, Wis.
- †Gundersen, Sigurd Bjarne, Jr. (*Harvard Univ.*).
LaCrosse, Wis.
- †Haight, Thomas Hulen (*Univ. of Wyoming*).
Riverton, Wyo.
- *Hatch, Frederick Tasker, A.B. (*Dartmouth Coll.*) 1944 [Dartmouth Medical School].
Winchester
- *Hart, William Swasey, A.B. (*Dartmouth Coll.*) 1944 [Dartmouth Medical School].
Longmeadow
- *Hay, Samuel Hutson, S.B. (*Davidson Coll.*) 1944 [Univ. of North Carolina Medical School].
Hickory, N. C.
- †Hiatt, Howard Haym (*Harvard Univ.*).
Worcester
- Hoagland, Mahlon Bush (*Williams Coll.* and *Harvard Univ.*).
Worcester
- Hogan, John Forbes, Jr., S.B. (*Coll. of the Holy Cross*) 1945.
Pawtucket, R. I.
- *Hopkins, William Benjamin, Jr. (*The Citadel* and *Cornell Univ.*) [Medical College of Virginia].
Tampa, Fla.
- ‡Hough, Garry deNeuville, 3d (*Wesleyan Univ.*).
Longmeadow
- Hsia, David Yi-Yung, A.B. (*Haverford Coll.*) 1944.
New York, N. Y.
- Hum, Thomas Yort, S.B. (*Univ. of California*) 1943.
San Francisco, Calif.
- †Huntley, Benjamin Franklin, 3d (*Washington and Lee Univ.* and *Duke Univ.*).
Winston-Salem, N. C.
- †Ireland, Elwood Fremont, Jr. (*Bates Coll.* and *Univ. of Pennsylvania*).
Bethel, Maine
- ‡Isenberg, Howard Jay (*Univ. of Pennsylvania*).
Passaic, N. J.
- Jackson, William Merrill, A.B. (*Antioch Coll.*) 1943.
Detroit, Mich.
- ‡Jahn, Paul Herbert (*Emory Univ.*).
Winter Haven, Fla.
- †Jakovic, Louis George (*Villanova Coll.*).
Steelton, Pa.
- ‡Johns, Thomas Richards, 2d (*West Virginia Univ.*).
Morgantown, W. Va.
- †Junda, Rudolph Joseph (*Princeton Univ.*).
Passaic, N. J.
- *Kellum, Agrippa Spence (*N. W. Mississippi Junior Coll.* and *Univ. of Mississippi*) [Univ. of Mississippi Medical School].
Tupelo, Miss.
- *Kelly, Luther Wrentmore, Jr. (*Univ. of North Carolina*) [Univ. of North Carolina Medical School].
Charlotte, N. C.
- Kiyasu, William Sadao, A.B. (*Grimmell Coll.*) 1944.
San Francisco, Calif.
- Lapham, Lowell Winship, A.B. (*Oberlin Coll.*) 1943.
Charles City, Iowa
- *Lewallen, Charles Gorman (*Univ. of North Carolina*) [Univ. of North Carolina Medical School].
Ridgecrest, N. C.
- Linger, Robert Thomas (*West Virginia Univ.*).
Clarksburg, W. Va.
- ‡Love, Donald Eugene (*Univ. of California*).
Oakland, Calif.
- ‡McCarley, Tracey Holland, Jr. (*Virginia Military Inst.*).
McAlester, Okla.
- †McCarty, William Mason (*Princeton Univ.*).
Audubon, N. J.

- ‡McHale, Josiah Anderson (*Univ. of Michigan and Washington Univ.*).
Ann Arbor, Mich.
- *McLemore, George Ammie, Jr. (*Univ. of North Carolina*) [Univ. of North Carolina Medical School].
Smithfield, N. C.
- †MacLeod, John Adams (*Amherst Coll., Univ. of Chicago, and Washington and Lee Univ.*).
Amherst
- *Margulis, Rajko (*Univ. of Belgrade*) [Univ. of Belgrade Medical School].
Belgrade, Yugoslavia
- *Mason, Roscoe Edward (*Coll. of William and Mary and Wake Forest Coll.*) [Medical Coll. of Virginia].
Norfolk, Va.
- †Mendelsohn, Mortimer Lester (*Harvard Univ.*).
New York, N. Y.
- *Merrill, Joseph Melton (*Univ. of Alabama and Texas Agricultural and Mechanical Coll.*) [Univ. of Alabama Medical School].
Andalusia, Ala.
- ‡Milam, Daniel Franklin, Jr. (*Univ. of North Carolina*).
Boston
- °Misrahy, George Albert (*Univ. of Paris and Fouad First University*) [Egyptian Univ. Medical School].
Cairo, Egypt
- †Mond, Ernest (*Univ. of Chicago and Washington Univ.*).
Chicago, Ill.
- †Murray, Raymond Harold, Jr. (*Univ. of Notre Dame*).
Forest Hills, N. Y.
- †Nagle, Walter William (*Dartmouth Coll.*).
Philadelphia, Pa.
- Nakasone, Nobuyuki, s.b. (*Univ. of Hawaii*) 1943.
Lahaina, Maui, Hawaii
- Nicholson, Richard Waldo, A.B. (*Doane Coll.*) 1946.
Superior, Nebr.
- °Nielsen, Talmage Whiting, A.B. (*Univ. of Utah*) 1945 [Univ. of Utah Medical School].
Salt Lake City, Utah
- Ohler, John Henry, A.B. (*Williams Coll.*) 1946.
Jamaica Plain
- *O'Rear, Edgar Allen, Jr., A.B. (*Univ. of Alabama*) 1945 [Univ. of Alabama Medical School].
Tuscaloosa, Ala.
- ‡O'Rourke, Paul Francis (*Harvard Univ.*).
Cambridge
- †Ortenburger, Arthur Irving, Jr. (*Univ. of Oklahoma*).
Norman, Okla.
- †Parsons, David Willard (*Virginia Military Inst. and Duke Univ.*).
Louisville, Ky.
- *Peabody, Charles Newton, 2d (*Harvard Univ.*) [Boston Univ. Medical School].
Grosse Pointe, Mich.
- Pechet, Maurice Murdoch, B.Sc. (*University of Alberta*) 1939, M.Sc. (*ibid.*) 1940, A.M. (*Harvard Univ.*) 1943, Ph.D. (*ibid.*) 1944.
Edmonton, Alberta, Canada
- Peterson, Herbert Gerhard, Jr., A.B. (*Colgate Univ.*) 1943.
Mansfield, Pa.
- †Phillips, Gerald Baer (*Princeton Univ.*).
Allentown, Pa.
- ‡Pratt, George Francis (*Stanford Univ.*).
Bloomington, Ill.
- ‡Prindle, Richard Alan (*Centenary Coll.*).
Shreveport, La.
- *Prout, Thaddeus Edmund (*St. John's Coll. and Villanova Coll.*) [Medical Coll. of Virginia].
Owings, Md.

- †Radding, Philip (*Coll. of William and Mary and Univ. of North Carolina*).
Springfield
- ‡Rattan, Walter Cooper (*Univ. of Texas*).
Abilene, Texas
- ‡Ravin, Herbert Allen (*Tufts Coll.*).
Winthrop
- ‡Rehbein, Alfredo (*Williams Coll.*).
Barranquilla, Colombia
- *Richardson, Fred Wetherbee, A.B. (*Dartmouth Coll.*) 1945 [*Dartmouth Medical School*].
Laconia, N. H.
- ‡Ritter, Emil Richard (*Dartmouth Coll. and Univ. of Chicago*).
Long Beach, Calif.
- *Roberts, Thomas Nelson (*Univ. of Utah and DePauw Univ.*) [*Univ. of South Dakota Medical School*].
Layton, Utah
- *Rosa, Franz Weston (*Univ. of North Carolina*) [*Univ. of North Carolina Medical School*].
Greensboro, N. C.
- ‡Rudin, Donald Oliver (*Univ. of Colorado*).
Waiialua, Hawaii
- ‡Rutledge, Ralph Leyda, Jr. (*Dartmouth Coll. and Mount Union Coll.*).
Alliance, Ohio
- Scott, Alfred Witherspoon, Jr., S.B. (*Univ. of Georgia*) 1946. Athens, Ga.
- †Sears, Edward Manning (*Tufts Coll.*).
West Newton
- ‡Shaw, Ian Anthony (*Univ. of Washington*).
Seattle, Wash.
- *Simkus, Albert Andrew, A.B. (*Univ. of Alabama*) 1945 [*Univ. of Alabama Medical School*].
New Britain, Conn.
- ‡Smith, Blaine Leroy (*Univ. of Utah*).
Salt Lake City, Utah
- Smith, Lloyd Hollingsworth, Jr., A.B. (*Washington and Lee Univ.*) 1946.
Easley, S. C.
- ‡Snow, Joseph Cagle (*Harvard Univ.*).
Abilene, Texas
- *Soule, William Carlton, A.B. (*Dartmouth Coll.*) 1945 [*Dartmouth Medical School*].
Baltimore, Md.
- †Southwick, Christopher Howard (*Harvard Coll.*).
Grand Rapids, Mich.
- Spence, David Lee, A.B. (*Princeton Univ.*) 1946.
Pittsburgh, Pa.
- †Steenburg, Richard Wesley (*Stanford Univ.*).
Aurora, Nebr.
- *Stodder, Clement Paxton (*Harvard Univ.*) [*Boston Univ. Medical School*].
Brookline
- Stoeckle, John Duane (*Oberlin Coll. and Antioch Coll.*).
Sturgis, Mich.
- *Taylor, Billy Gray (*East Central Junior Coll. and Washington Univ.*) [*Univ. of Mississippi Medical School*].
Jackson, Miss.
- ‡Taylor, Robert George (*Allegheny Coll.*).
Pittsburgh, Pa.
- †Teter, Joseph Gordon (*Harvard Univ.*).
Wellesley Hills
- *Thompson, Clarence Thomas (*Louisiana State Normal School and Southwestern Louisiana Inst.*) [*Univ. of Mississippi Medical School*].
Baton Rouge, La.
- *Tickelis, Ignatios James, A.B. (*Dartmouth Coll.*) 1945 [*Dartmouth Medical School*].
Haverhill

- Troen, Philip, A.B. 1945 (1944). *Portland, Maine*
- †Vail, David Jameson (*Harvard Univ.*). *Chicago, Ill.*
- Vecchio, Thomas James, s.B. (*Manhattan Coll.*) 1944. *New York, N. Y.*
- ‡Vizcarrondo, Raul Celedonio (*Univ. of Puerto Rico* and *George Washington Univ.*). *San Juan, Puerto Rico*
- †Webster, Leslie Tillotson (*Amherst Coll.* and *Union Coll.*). *Scarsdale, N. Y.*
- ‡White, Orson Wayne (*Univ. of Utah*). *Salt Lake City, Utah*
- §Wilcox, Roger Eugene (*Montana State Univ.* and *West Virginia Univ.*). *Missoula, Mont.*
- *Witherington, Dexter Thompson, s.B. (*Davidson Coll.*) 1944 [Univ. of North Carolina Medical School]. *Mount Olive, N. C.*
- ‡Wooten, Greenwood S, Jr. (*Univ. of Texas*). *Austin, Texas*
- †Wulsin, Howard Elliott (*Harvard Univ.*). *Boston*
- †Zullo, Robert John (*Northwestern Univ.*). *Port Reading, N. J.*

THIRD CLASS

- ‡Alexander, John Terence (*Boston Univ.*). *Brookline*
- *Allen, James Norman (*Emory Univ.*) [Emory Univ. School of Medicine]. *Tampa, Fla.*
- *Barnes, Waddell (*Mercer Univ.*) [Emory Univ. School of Medicine]. *Macon, Ga.*
- *Bendeck, Taufick Elias (*Emory Univ.* and *Alabama Polytechnic Inst.*) [Emory Univ. School of Medicine]. *Honduras, C. A.*
- Bennett, Doris Rubin, A.B. (*Wellesley Coll.*) 1944. *Framingham*
- Bigelow, Bradley, A.B. 1944 (1943). *Boston*
- ‡Birchard, William H (*Univ. of Vermont* and *Dartmouth Coll.*). *Shoreham, Vt.*
- ‡Blanch, Euan True (*Univ. of Utah, Carnegie Inst. of Technology,* and *Syracuse Univ.*). *Salt Lake City, Utah*
- *Blauer, Aaron (*Univ. of Florida*) [Alabama Medical Coll.]. *Birmingham, Ala.*
- ‡Boblitt, Delbert Emroy (*Univ. of Illinois, Manhattan Coll.,* and *Syracuse Univ.*). *Divernon, Ill.*
- ‡Boone, Charles Walter (*Univ. of Texas*). *Inglewood, Calif.*
- †Bowen, Edward Hooper, Jr. (*Brown Univ.*). *Fall River*
- *Brackett, Ralph DeRochemont, A.B. (*Dartmouth Coll.*) 1946 [Dartmouth Medical School]. *Portsmouth, N. H.*
- §Brifman, Theodore (*Ohio State Univ.* and *Harvard Univ.*). *Cleveland, Ohio*
- °Brown, Paul Marvin, s.B. (*Univ. of Oregon*) 1946 [Boston Univ. School of Medicine]. *Portland, Oregon*
- ‡Browning, Louis DeLoach, Jr. (*Univ. of Kentucky* and *Coll. of the City of New York*). *Hopkinsville, Ky.*

- ‡Bruner, John Martin Rutherford (*Harvard Univ.*). Upper Darby, Pa.
 Caires, Martha Joan Kern, A.B. (*Radcliffe Coll.*) 1945. Cambridge
 *Campbell, Guy Douglas, S.B. (*Univ. of Mississippi*) 1946 [Univ. of Missis-
 sippi School of Medicine]. Laurel, Miss.
 ‡Chadwick, Donald Roger (*Harvard Univ.*). Wollaston
 †Cheatham, James Spencer (*Univ. of Connecticut and Yale Univ.*).
 Akron, Ohio
 †Clark, Sam Lillard, Jr. (*Vanderbilt Univ. and Duke Univ.*).
 Nashville, Tenn.
 Cohen, Raquel Eidelman, B.Sc. (*Univ. of San Marcos*) 1943, M.P.H. (*Harvard*
Univ.). Lima, Peru
 *Collings, Harold, Jr. (*Purdue Univ., Univ. of Alabama, and Johns Hopkins*
Univ.) [Univ. of Maryland School of Medicine]. Rockville, Ind.
 Collins, Raymond Prescott, A.B. 1947 (1945). Westford
 *Copeland, George Daniel, S.B. (*Univ. of Mississippi*) 1946 [Univ. of Mis-
 sissippi School of Medicine]. Senatobia, Miss.
 °Corvese, William Peter, A.B. (*Brown Univ.*) 1946 [*Tufts Coll. Medical*
School]. Providence, R. I.
 *Crook, Douglas Victor (*Brown Univ. and Univ. of Illinois*) [Northwestern
 Univ. Medical School]. Runford, R. I.
 ‡Daum, Stanley Walter (*Mount Union Coll. and Miami Univ.*).
 Canton, Ohio
 †Dean, Henry Leon (*Florida Southern Coll.*). Philadelphia, Pa.
 Dotson, J C, S.B. 1946 (1945). El Paso, Texas
 †Downey, William Stephen, Jr. (*Boston Coll.*). New Bedford
 §Easterday, Charles Louis (*Ball State Teachers Coll. and Coll. of the City of*
New York). Butler, Ind.
 ‡Eicholz, John Louis, Jr. (*Indiana Univ., Rhode Island State Coll., and Ham-*
ilton Coll.). New Albany, Ind.
 Eurman, Gerald Harold, A.B. (*Montclair State Teachers Coll.*) 1942.
 Hoboken, N. J.
 †Fallows, James Albert (*Ursinus Coll.*). Jenkintown, Pa.
 ‡Ferber, Jerome (*Brooklyn Coll. and Coll. of the City of New York*).
 Brooklyn, N. Y.
 ‡Fernandez-Herlihy, Luis (*St. Louis Univ.*). Washington, D. C.
 §Finbury, Charles Myself (*Harvard Coll.*) D.M.D. 1947. Haverhill
 *Finney, Claude Joseph, A.B. (*Vanderbilt Univ.*) 1946 [Vanderbilt Univ.
 Medical School]. Nashville, Tenn.
 *Flanders, Robert, Jr., A.B. (*Dartmouth Coll.*) 1946 [Dartmouth Medical
 School]. Manchester, N. H.
 ‡Fox, Marsden Elwood (*Yale Univ., Virginia Polytechnic Inst., and Prince-*
ton Univ.). Rochester, N. Y.

- ‡Frische, Louis Henry, Jr. (*Univ. of Arizona, Niagara Univ., and New York Univ.*). Tucson, Ariz.
- †Fry, Donald Lewis (*Marquette Univ.*). Hudson, Wis.
- Gabriel, James Basil, A.B. (*Brown Univ.*) 1945. New Bedford
- Gallup, Shirley Marilyn, A.B. (*Brown Univ.*) 1945. Cranston, R. I.
- *Ganong, William Francis, A.B. 1946 [*Univ. of Virginia School of Medicine*]. Northampton
- *Giles, Robert Byron, Jr., A.B. (*Dartmouth Coll.*) 1942 [*Dartmouth Medical School*]. Dallas, Texas
- ‡Goldstein, Dora Benedict (*Bryn Mawr Coll., Univ. of Chicago, and Stanford Univ.*). Cobasset
- Gordon, Marcia Laura, A.B. (*Radcliffe Coll.*) 1945. Chelsea
- Gordon, Robert Sirkosky, Jr. (*Harvard Univ.*). Scarsdale, N. Y.
- ‡Grey, David Nelson (*Stanford Univ.*). Glendale, Calif.
- ‡Griggs, Robert Charles (*Princeton Univ.*). Manlius, N. Y.
- Gross, Gilbert Louis, A.B. (*Washington Univ.*) 1943. St. Louis, Mo.
- ‡Gundersen, Adolf Loftsgaard (*Harvard Univ.*). La Crosse, Wis.
- ‡Hall, Thomas Christopher (*Harvard Univ.*). New York, N. Y.
- *Harris, Aubrey Russell, A.B. (*Univ. of Mississippi*) 1938 [*Univ. of Mississippi School of Medicine*]. Shannon, Miss.
- *Hartman, Sherman Watler, B.AERO E. (*Univ. of Minnesota*) 1943 [*Northwestern Univ. Medical School*]. Minneapolis, Minn.
- Harvey, Henry Stimson, A.B. (*Amherst Coll.*) 1938, B.D. (*Union Theological Seminary*) 1943. Duxbury
- *Hawkins, Joseph Albert (*Univ. of Florida and Univ. of Mississippi*) [Alabama Medical Coll.]. Birmingham, Ala.
- Haynes, John Steven, B.E. (*North Carolina State Coll.*) 1940, S.B. (*Univ. of Chicago*) 1945. Chicago, Ill.
- ‡Hendler, Albert Frank (*Univ. of Texas*). Temple, Texas
- ‡Herrod, Chester Edgar (*Newark Coll. of Engineering and Amherst Coll.*). Chicago, Ill.
- ‡Hickler, Roger Baldwin (*Massachusetts Inst. of Technology*). Bala-Cynwyd, Pa.
- §Holmstrom, Fritz Milton Gilbert (*Brown Univ., Boston Coll., and Amherst Coll.*). Jamestown, N. Y.
- Horwitz, Melvin, A.B. (*Columbia Univ.*) 1945. Brooklyn, N. Y.
- †Hubbard, Edwin Marshall (*Union Coll.*). Bay Shore, Long Island, N. Y.
- ‡Hume, Walter Irvin, Jr., A.B. (*Williams Coll.*) 1946. Louisville, Ky.
- ‡Jacobs, Ralph William (*Duke Univ.*). Plainfield, N. J.
- †Jampol, Jesse Herbert (*Harvard Univ.*). New York, N. Y.
- Jandl, James Harriman, S.B. (*Franklin and Marshall Coll.*) 1945. Racine, Wis.

- °Johnson, Louis Fingal, Jr., S.B. (*Massachusetts State Coll.*) 1936 [Tufts Coll. Medical School]. *Gloucester*
- *Juergens, John Louis, S.B. (*Univ. of Minnesota*) 1946 [Univ. of Minnesota Medical School]. *Belle Plaine, Minn.*
- Katz, Jacob, A.B. (*Univ. of Vermont*) 1944. *New York, N. Y.*
- ‡Kavanaugh, Charles Nicholas, Jr. (*Amherst Coll.*). *Lexington, Ky.*
- Keller, John Wilbur, A.B. 1941 (1946). *Brookline*
- †Kennedy, John Hines (*Princeton Univ.*). *Washington, D. C.*
- Kirk, Marjorie Jane, A.B. (*Bryn Mawr Coll.*) 1943, A.M. (*Radcliffe Coll.*) 1944. *Upper Darby, Pa.*
- §Larkin, James Crate, Jr. (*Williams Coll.*) D.M.D. 1947. *Buffalo, N. Y.*
- †Leonard, Edward Joseph (*Harvard Univ.*). *Jamaica Plain*
- *Levy, Maurice Noel, Jr., A.B. (*Dartmouth Coll.*) 1946 [Dartmouth Medical School]. *Bridgeport, Conn.*
- *Locksley, Herbert Boyajian, A.B. (*Swarthmore Coll.*) 1943 [Temple Univ. Medical School]. *Pittsfield*
- †Lohr, Thomas Oliver (*New York Univ.*). *Saginaw, Mich.*
- Lyons, Robert Douglas, A.B. and S.B. (*Southern Methodist Univ.*) 1945. *Dallas, Texas*
- ‡McCurdy, Paul Ranney (*Wesleyan Univ.*). *Middletown, Conn.*
- ‡Malkinson, Frederick David (*Harvard Coll.*) D.M.D. 1947. *West Hartford, Conn.*
- *Marcial, Victor Adolfo, S.B. (*Univ. of Puerto Rico*) 1944 [Univ. of Missouri Medical School]. *Rio Piedras, Puerto Rico*
- *Marshall, Clare Kent, A.B. (*Barnard Coll.*) 1944 [Columbia Univ. Coll. of Physicians and Surgeons]. *New York, N. Y.*
- *Martin, Lester Warren (*Univ. of Missouri, Texas Agricultural and Mechanical Coll., and Rensselaer Polytechnic Inst.*) [Univ. of Missouri School of Medicine]. *Edwards, Mo.*
- †Mathews, LeRoy William (*St. John's Univ. and John Carroll Univ.*). *St. Cloud, Minn.*
- *Merten, Charles William (*Drexel Inst. of Technology and Rutgers Univ.*) [Long Island Coll. of Medicine]. *Augusta, Kans.*
- *Morrissey, John Fielding, A.B. (*Dartmouth Coll.*) 1946 [Jefferson Medical Coll.]. *Newton Centre*
- °Needy, Carl Kreimer, A.B. 1947 (1946) [Tufts Coll. Medical School]. *Newton Highlands*
- Niebel, James Denhart, A.B. (*Stanford Univ.*) 1943. *Palo Alto, Calif.*
- †Oken, Donald (*Syracuse Univ.*). *New York, N. Y.*
- ‡Oliver, Thomas Keyser, Jr. (*Univ. of California*). *Westwood, Calif.*
- ‡Owen, William Reagan (*Univ. of Texas*). *Dallas, Texas*

- *Page, Lot Bates (*Middlebury Coll., The Citadel, and Univ. of Missouri*) [Washington Univ. School of Medicine]. *West Newbury*
- *Parker, Thomas Gooch (*Univ. of Texas and Mercer Univ.*) [Univ. of Texas Medical School]. *Dallas, Texas*
- *Peacock, Erle Ewart, Jr. (*Univ. of North Carolina*) [Univ. of North Carolina Medical School]. *Chapel Hill, N. C.*
- *Peirce, Frederick Arthur, Jr., A.B. 1947 [Georgetown Univ. School of Medicine]. *Rumford, R. I.*
- †Perry, Richard Lacey (*Swarthmore Coll.*). *Woodmere, Long Island, N. Y.*
- Petit, Alan Wesley, A.B. 1941 (1942). *Ventura, Calif.*
- *Piatt, Edward Donn, Jr. (*Louisiana Polytechnic Inst.*) [Alabama Medical Coll.]. *Ruston, La.*
- †Pitts, John Dorsey (*Yale Univ.*). *Providence, R. I.*
- ‡Puite, Robert Harmon (*Calvin Coll., St. John's Univ., and Harvard Univ.*). *Grand Rapids, Mich.*
- *Rawls, Thompson Townsend, S.B. (*Southwestern Louisiana Inst.*) 1945 [Univ. of Missouri Medical School]. *St. Louis, Mo.*
- †Reardon, John Birckhead (*Univ. of California*). *Sacramento, Calif.*
- ‡Reynolds, John (*Univ. of Texas*). *Santa Barbara, Calif.*
- *Rich, Alexander, A.B. 1947 [Syracuse Univ. School of Medicine]. *Springfield*
- †Riley, Francis James (*Harvard Univ.*). *West Roxbury*
- ‡Robbins, Peter Gilman (*Harvard Univ.*). *Boston*
- *Robinson, Leonard Jay, S.B. (*New York Univ.*) 1946 [Univ. of North Dakota Medical School]. *Bronx, N. Y.*
- *Rood, Robert Clare (*Michigan State Coll. and Ohio State Coll.*) [Univ. of North Carolina Medical School]. *South Haven, Mich.*
- ‡Rutledge, Robb Howard (*Univ. of Michigan*). *Detroit Lakes, Minn.*
- Sánchez, Guillermo Cornelio, A.B. 1946 (1945). *Guatemala City, Guatemala*
- ‡Schoenheit, Edward William, Jr. (*Univ. of North Carolina*). *Asheville, N. C.*
- Schwartz, Edith Ann, S.B. (*Radcliffe Coll.*) 1945. *New York, N. Y.*
- ‡Smith, William Ogg (*Oklahoma Agricultural and Mechanical Coll. and Univ. of Texas*). *Stillwater, Okla.*
- *Soule, Rublee Clark (*Springfield Coll., Oklahoma Agricultural and Mechanical Coll., and Univ. of Oklahoma*) [Alabama Medical Coll.]. *Springfield*
- ‡Sprout, William Lawrence (*Harvard Univ.*). *Rome, N. Y.*
- ‡Starrels, Raymond James (*Swarthmore Coll.*). *Philadelphia, Pa.*
- ‡States, John Dunham (*Univ. of Rochester*). *Rochester, N. Y.*
- *Stelter, Grant Duane, S.B. (*Univ. of Wisconsin*) 1947 [Jefferson Medical Coll.]. *Racine, Wis.*

- ‡Stokes, Joseph, 3d (*Haverford Coll.*). *Germantown, Pa.*
 Stone, Edith Louise, A.B. (*Smith Coll.*) 1943. *Bradford, N. H.*
 ‡Swanson, August George (*Westminster Coll.*). *York, Nebr.*
 ‡Tarpley, Harold Irwin, Jr. (*Pennsylvania State Coll.*). *State College, Pa.*
 †Taylor, Jo Ann Tanner (*Univ. of California*). *Glendale, Calif.*
 Thurm, Richard Henry, S.B. 1946 (1945). *Forest Hills, N. Y.*
 *Tomkins, Gordon Mayer, A.B. (*Univ. of California, Los Angeles*) 1945
 [*Univ. of California Medical School*]. *Los Angeles, Calif.*
 Tyler, John Mason, A.B. (*Univ. of Minnesota*) 1943. *St. Paul, Minn.*
 †Vigneron, Eugene Morgan, Jr. (*Yale Univ. and Harvard Univ.*).
Salisbury, Conn.
 Walton, Richmond Lee, A.B. (*Drew Univ.*) 1944. *West Orange, N. J.*
 *Weil, Warren Burke (*Univ. of Georgia and Univ. of Florida*) [*Alabama*
Medical Coll.]. *Birmingham, Ala.*
 §Wells, Charles Howard (*Eau Claire State Teachers Coll., Providence Coll.,*
and Amherst Coll.). *Hudson*
 *Wilson, Frank Cunningham, Jr. (*Univ. of Virginia*) [*Alabama Medical*
Coll.]. *Birmingham, Ala.*
 †Winn, William Edward, Jr. (*Southern Methodist Univ.*). *Evansville, Ind.*
 Wojcik, Ladislav Dolores, S.B. (*Simmons Coll.*) 1940. *Three Rivers*
 *Wolfe, Stanley Jay (*Pennsylvania State Coll., Alabama Polytechnic Inst.,*
and Vanderbilt Univ.) [*Baylor Univ. Coll. of Medicine*].
Brooklyn, N. Y.
 †Wolfe, Walter Brewster (*Harvard Univ.*). *Pittsburgh, Pa.*
 Wonka, Warren Joseph, A.B. (*Columbia Univ.*) 1944. *Middle Village, N. Y.*
 *Wood, James Edwin, 3d (*Davidson Coll. and Duke Univ.*) [*Univ. of*
Virginia Medical School]. *Charlottesville, Va.*
 °Wright, Roger Howard, A.B. (*Miami Univ.*) 1945 [*Univ. of Cincinnati Coll.*
of Medicine]. *Winchester*

SECOND CLASS

- Achenbach, Hartwig, S.B. (*Univ. of Florida*) 1943. *Orlando, Fla.*
 Aisenberg, Alan Clifford, S.B. 1945 (1946). *New York, N. Y.*
 †Allen, Richard Herbert (*Dartmouth Coll.*). *Janesville, Wis.*
 Applegarth, Adrienne Patricia, A.B. (*Univ. of California*) 1946.
San Francisco, Calif.
 Atherton, Eugene Ronald (*Johns Hopkins Univ. and Princeton Univ.*).
Washington, D. C.
 Babbitt, Rayma Lucille, S.B. (*Univ. of Arizona*) 1946. *Flagstaff, Ariz.*
 Bell, Edgar Dawson, Jr., A.B. (*Haverford Coll.*) 1942. *Ingomar, Pa.*
 Berlow, Stanley, A.B. (*Univ. of Michigan*) 1941, A.M. (*Harvard Univ.*) 1942.
New York, N. Y.

- Bloomington, Lewis Morgan, s.B. (*Yale Univ.*) 1940, E.B. (*ibid.*) 1941.
Scarsdale, N. Y.
- Borg, Donald Cecil, s.B. 1947 (1946).
Scarsdale, N. Y.
- ‡Bower, Robert (*Harvard Univ.*, *Washington Univ.*, and *Univ. of Pennsylvania*).
Wyncote, Pa.
- ‡Brennan, John Thomas, Jr. (*Coll. of the Holy Cross*).
Brooklyn, N. Y.
- ‡Brittingham, Thomas Evans (*Princeton Univ.* and *Texas Christian Univ.*)
Fort Worth, Texas
- Broadaway, Rufus Keene, s.B. (*Tufts Coll.*) 1946.
Waltham
- Burke, Sean Kevin, A.B. (*Williams Coll.*) 1946.
Holyoke
- Burroughs, John Townsend, A.B. (*Brown Univ.*) 1946.
Akron, Ohio
- Chaney, Robert Horace, A.B. (*Univ. of California*) 1942.
Lodi, Calif.
- Christie, William Edward, Jr., A.B. (*Boston Coll.*) 1943.
Rockland
- Coe, Robert Campbell, s.B. (*Univ. of Washington*) 1940.
Seattle, Wash.
- Colman, Edward Leonard, 2d, A.B. (*Yale Univ.*) 1942.
Minneapolis, Minn.
- Coulter, Norman Arthur, Jr., s.B. (*Virginia Polytechnic Inst.*) 1941.
Harrisburg, Pa.
- Creedon, Richard Joseph, A.B. 1945 (1946).
Fords, N. J.
- Cronkhite, Leonard Wolsey, Jr., A.B. (*Bowdoin Coll.*) 1946 as of 1941.
Cambridge
- Cummins, James Francis, 3d, s.B. (*Univ. of Illinois*) 1942, s.M. (*ibid.*) 1946.
Olney, Ill.
- Davies, Frederick McAllister, s.B. (*Tufts Coll.*) 1946.
Waltham
- Davis, Evelyn, A.B. (*Radcliffe Coll.*) 1939, A.M. (*Simmons Coll.*) 1944.
Brookline
- Ducey, James Edward, s.B. (*Univ. of Pittsburgh*) 1946.
Sewickley, Pa.
- Early, Robert Lawrence, s.B. (*Michigan State Coll.*) 1943.
Lansing, Mich.
- ‡Eaton, John Harold (*Univ. of California*).
Rivera, Calif.
- ‡Egdahl, Richard Harrison (*Dartmouth Coll.*).
Eau Claire, Wis.
- Eisner, Victor, A.B. (*Stanford Univ.*) 1946.
San Francisco, Calif.
- §Elder, Lindsey Thomas, Jr. (*Univ. of Texas*).
Omaha, Nebr.
- Emerson, Richard Putnam, A.B. 1943.
Short Hills, N. J.
- ‡Estes, Hilliard Donald (*Univ. of Kansas*).
Montgomery, Ala.
- ‡Feldmann, Robert John (*Univ. of Wisconsin*).
Glenview, Ill.
- Field, Richard Allan, A.B. 1942 (1943).
Chicago, Ill.
- Ford, Amasa Brooks, A.B. (*Yale Univ.*) 1943.
Shaker Heights, Ohio
- ‡Frank, Howard David (*Univ. of Vermont* and *Phillips Univ.*).
Burlington, Vt.
- ‡Franklin, Lewis Thomas (*Miami Univ.*).
Chillicothe, Ohio
- ‡Frothingham, Thomas Eliot (*Harvard Univ.*).
Boston
- Gair, Donald Saul, s.B. 1945.
New York, N. Y.

- Gale, Arnold Sidney, A.B. 1940. *Brookline*
- ‡Garrett, John Joseph, Jr. (*Niagara Univ.*). *New Hartford, N. Y.*
- Gelman, Renée, A.B. (*Hunter Coll.*) 1945. *New York, N. Y.*
- Glimcher, Melvin Jacob, S.B. (*Purdue Univ.*) 1946. *Chelsea*
- Goldblatt, Julius Eli, S.B. (*Tufts Coll.*) 1941. *Lawrence*
- Gordon, Marvin Lee, A.B. (*Miami Univ.*) 1946. *Columbus, Ohio*
- Graham, Kenneth Merle, A.B. (*Allegheny Coll.*) 1941, A.M. (*Univ. of Illinois*) 1942. *Meadville, Pa.*
- Greenbaum, James Kennedy, A.B. (*Princeton Univ.*) 1942. *Kittanning, Pa.*
- Hannas, Ralston Raymond, Jr., S.B. (*Purdue Univ.*) 1939. *Western Springs, Ill.*
- †Hayes, Thomas Bartholomew (*Emory Univ.*). *North Andover*
- Head, John Morrison, A.B. (*Univ. of Missouri*) 1946. *Columbia, Mo.*
- Hollander, Walter, Jr., S.B. (*Haverford Coll.*) 1943. *Baltimore, Md.*
- Ireton, Richard Johnson, A.B. (*Ohio State Univ.*) 1946. *Van Wert, Ohio*
- ‡Isselbacher, Kurt Julius (*Harvard Univ.*). *Portsmouth, N. H.*
- Kliewer, David Donald, S.B. (*Wheaton Coll.*) 1939. *Albany, Ore.*
- ‡Kramer, John Charles (*Univ. of Oklahoma, Johns Hopkins Univ., and George Washington Univ.*). *Tulsa, Okla.*
- Kriete, Bertrand Carl, A.B. (*DePauw Univ.*) 1937. *Cincinnati, Ohio*
- ‡Lance, Richard Victor (*Univ. of Washington and South Dakota School of Mines*). *Bothell, Wash.*
- ‡Lane, Frank Wesley, Jr. (*Cambridge Jr. Coll. and Harvard Univ.*). *Waltham*
- ‡Laster, Leonard (*Harvard Univ.*). *New York, N. Y.*
- ‡Lear, Arnold Albert (*New York Univ.*). *Long Island City, N. Y.*
- Lee, Feung Bok, S.B. (*Oregon State Coll.*) 1942. *Corvallis, Ore.*
- Liva, Edward Louis, S.B. 1947 (1946). *Lyndhurst, N. J.*
- Logan, William Bryant, Jr., S.B. (*Yale Univ.*) 1946. *Pelham Manor, N. Y.*
- Lusted, Lee Browning, A.B. (*Cornell Coll.*) 1943. *Cambridge*
- ‡Macomber, Peter Browne (*Amherst Coll., Univ. of Maine, and Bowdoin Coll.*). *Brunswick, Maine*
- Mandelstam, Paul, A.B. 1944 (1945), A.M. 1946. *Allston*
- †Margulis, Alexander (*Univ. of Belgrade*). *Belgrade, Yugoslavia*
- Merryfield, Lloyd William, S.B. (*California Inst. of Technology*) 1942, S.M. (*ibid.*) 1943. *Compton, Calif.*
- ‡Miller, William Paul (*Univ. of Washington*). *Seattle, Wash.*
- Minot, Henry Davis, Jr., A.B. 1940 (1941). *Boston*
- Mitchell, Avard Marion, S.B. (*Mount Union Coll.*) 1941, S.M. (*Purdue Univ.*) 1943. *Canton, Ohio*
- ‡Moldawer, Marc Perlstein (*Univ. of Pennsylvania and Harvard Univ.*). *Philadelphia, Pa.*

- †Mora-Castañeda, Federico (*Univ. of Guatemala and Harvard Univ.*).
Guatemala, C. A.
- Morrison, Robert Stier, A.B. (*Univ. of Missouri*) 1946. Lexington, Mo.
- O'Meara, Maurice Patrick, S.B. (*Tufts Coll.*) 1946. West DePere, Wis.
- Owens, Guy, S.B. (*Tufts Coll.*) 1946. Amarillo, Texas
- ‡Parks, John Hulbert, A.B. (*Dartmouth Coll.*) 1946. Los Angeles, Calif.
- Patterson, William Bradford, A.B. 1942. Granby, Conn.
- Petty, Charles Sutherland, S.B. (*Univ. of Washington*) 1941, S.M. (*ibid.*) 1946.
Seattle, Wash.
- Pikula, John Vernon, S.B. (*Univ. of Florida*) 1941. Fernandina, Fla.
- Powell, Marvin Julius, S.B. 1947 (1946). Annawan, Ill.
- ‡Proudfoot, Warren Harding (*Harvard Univ.*). Belington, W. Va.
- Ramirez de Arellano, Alfredo Antonio, S.B. (*Univ. of Puerto Rico*) 1945.
Santurce, Puerto Rico
- Reznick, Leon, A.B. 1946 (1945). Dorchester
- Richards, William Allen, S.B. 1943 (1944). Waltham
- ‡Robuck, John D, Jr. (*Mesa Jr. Coll., Colorado Coll., and Univ. of California*).
Montrose, Colo.
- Rock, Herbert Gerald, S.B. (*New York State Coll.*) 1941. Plattsburg, N. Y.
- ‡Rockwood, Wade (*Harvard Univ.*). East Aurora, N. Y.
- ‡Ross, Merrill Herbert (*Cornell Univ.*). Bronx, N. Y.
- Sachs, Marvin Leonard, A.B. (*Yale Univ.*) 1946. Allentown, Pa.
- Salibi, Bahij Sulayman, B.A. (*American Univ. of Beirut*) 1941, M.A. (*ibid.*)
1944. Beirut, Lebanon
- Schwartz, Herman Arthur, S.B. (*Cornell Univ.*) 1941. New York, N. Y.
- Sears, Kenneth Louis, S.B. (*Univ. of Illinois*) 1940. Plano, Ill.
- Sheldon, David Butterfield, S.B. (*California Inst. of Technology*) 1946.
Los Angeles, Calif.
- ‡Shields, Daniel Roger (*Harvard Univ.*). Sugar Grove, Ill.
- Slingerland, Dorraine Ward, S.B. 1943 (1944). Pleasantville, N. Y.
- Smythe, Richard Landis, A.B. 1947 (1946). Indianapolis, Ind.
- Staley, Jack Ramsey, S.B. (*Union Coll.*) 1946. Schenectady, N. Y.
- †Stern, Ruth Sylvia (*Radcliffe Coll.*). Newton Center
- ‡Sykes, James Louis (*Pennsylvania State Coll. and Youngstown Coll.*).
Savannah, Ga.
- Tully, Bernard Michael, S.B. (*Univ. of Miami*) 1947. Chicago, Ill.
- Walker, Kenneth Francis, B.A. (*Univ. of Toronto*) 1946.
Niagara Falls, Ontario, Canada
- White, Roger Ferris, S.B. (*Kansas State Coll.*) 1940, S.M. (*Washington State Coll.*) 1946. Buda, Ill.
- ‡Whitfield, Thomas Japheth, 3d (*Duke Univ.*). Suffolk, Va.

- Williams, Thomas Franklin, s.B. (*Univ. of North Carolina*) 1942, A.M. (*Columbia Univ.*) 1943. Landis, N. C.
 ‡Wise, Gordon Francis (*Michigan State Coll. and Univ. of Arkansas*). Palo, Mich.
 Wolff, Richard, A.B. 1944 (1943). Brookline

FIRST CLASS

- ‡Aikman, William Oakley (*Univ. of Florida and Harvard Coll.*). Cazenovia, N. Y.
 Arnstein, Robert Leo, A.B. (*Yale Univ.*) 1941. New York, N. Y.
 Arthur, Ransom James, A.B. (*Univ. of California*) 1947. Eldridge, Calif.
 Atik, Mohammed, A.B. (*Univ. of California*) 1947. Kabul, Afghanistan
 ‡Baker, Lawrence Martin, 3d (*Univ. of Pittsburgh, Washington Univ., and Harvard Coll.*). Coraopolis, Pa.
 ‡Bell, George Alan (*Univ. of Tennessee*). Tacoma, Wash.
 §Bellis, John Marvin, Jr. (*Coll. of William and Mary*). Frederick, Md.
 §Boomer, Robert Bruce (*Massachusetts Inst. of Technology and Univ. of Idaho*). Payette, Idaho
 Bowen, Jane Divine, A.B. (*Wellesley Coll.*) 1947. Harrodsburg, Ky.
 Bradshaw, John Schwab, A.B. (*Oberlin Coll.*) 1947. Oberlin, Ohio
 ‡Brown, Edwin Wilson, Jr. (*Houghton Coll., Carnegie Inst. of Technology, and Amherst Coll.*). Williamsville, N. Y.
 Cain, Arthur James, A.B. (*Boston Univ.*) 1944, A.M. (*ibid.*) 1947. Lynn
 §Campbell, Joseph Edward, A.B. (*Texas Christian Univ.*) 1947. Tyler, Texas
 Cary, Ellen Brooks, A.B. (*Bryn Mawr Coll.*) 1947. Haverford, Pa.
 §Castillo-Agudo, Rafael Angel (*Univ. of Puerto Rico*). Santurce, Puerto Rico
 Chapman, Robert Galbraith, A.B. (*Yale Univ.*) 1947. Colorado Springs, Colo.
 Clapp, Paul, s.B. (*United States Naval Academy*) 1944. Missoula, Mont.
 Crowder, Thomas Reid, A.B. (*Dartmouth Coll.*) 1945. Chicago, Ill.
 Damon, Albert, A.B. 1938, PH.D. (*Univ. of Chicago*) 1946. Newton
 Danforth, William Henry, A.B. (*Princeton Univ.*) 1947. Clayton, Mo.
 Davis, Robert Paul, A.B. 1947. Dorchester
 ‡Dawson, Jean Patricia (*Univ. of California*). Berkeley, Calif.
 DiRaimondo, Vincent Charles, s.B. (*Beloit Coll.*) 1943, s.M. (*Univ. of Wisconsin*) 1944. Rockford, Ill.
 Dreyfus, Edward Goulston, A.B. 1940. Boston
 Elser, Otto Helmut, A.B. (*New York Univ.*) 1942. Independence, Mo.
 Fernald, Willard Barker, A.B. (*Brown Univ.*) 1947. Upper Montclair, N. J.
 ‡Field, James Bernard (*Harvard Coll.*). Fort Wayne, Ind.

- Fischbein, Jerome Wollison, A.B. 1947. East Orange, N. J.
 †Foster, Gerald Sidney (*Allegheny Coll.*). Pittsburgh, Pa.
 Fraser, Glendon Chisholm, S.B. (*Western Reserve Univ.*) 1947. S. Euclid, Ohio
 ‡Galdston, Richard (*Univ. of Wisconsin and Univ. of Chicago*). Brooklyn, N. Y.
 Gauchat, Robert David, A.B. 1944 (1947). Warren, Ohio
 Geschwind, Norman, A.B. 1946 (1947). Brooklyn, N. Y.
 Ginandes, Shepard Coleman, A.B. 1947. Neponsit, N. Y.
 Goodrich, Charles Howard, 2d., A.B. (*Princeton Univ.*) 1947. Hingham
 Gould, John Charles Cooper, S.B. 1947. Fort Wayne, Ind.
 Gravalles, Michael Angelo, Jr., A.B. 1947. Boston
 Hayes, David, S.B. 1947. New Canaan, Conn.
 Haymond, Thomas Arnette, A.B. 1947. Charleston, W. Va.
 Haynes, Walter Marion, Jr., S.B. (*Univ. of Florida*) 1947. Sanford, Fla.
 Hiebert, Clement Arthur, A.B. (*Bowdoin Coll.*) 1947. Lewiston, Maine
 Hogan, Elizabeth Almarine, A.B. (*Univ. of California*) 1947. Stockton, Cal.
 ‡Holloman, Jeff Joe (*Oklahoma Agricultural and Mechanical Coll.*). Frederick, Okla.
 Hudson, Bruce Herndon, A.B. (*Oberlin Coll.*) 1947. Athens, Ohio
 Hutchison, George Barkley, A.B. 1943. Cambridge
 Jefferson, Mildred Fay, A.B. (*Texas Coll.*) 1945, S.M. (*Tufts Coll.*) 1947. Boston
 ‡Jencks, William Platt (*Harvard Coll.*). Taos, N. M.
 †Jones, Richard Lee (*Univ. of Southern California*). Los Angeles, Calif.
 Jones, Wilfred Fuller, Jr., A.B. (*Brown Univ.*) 1943. Springfield
 Karlen, William Sidney, A.B. 1947. Newark, N. J.
 Kiely, Brian, A.B. 1943. Cincinnati, Ohio
 Krakauer, Lewis Joseph, A.B. (*Williams Coll.*) 1947. Brooklyn, N. Y.
 Kushnick, Theodore, S.B. (*Ohio State Univ.*) 1944, S.M. (*ibid.*) 1947. Brooklyn, N. Y.
 Lacy, William White, S.B. (*Davidson Coll.*) 1947. Richmond, Va.
 Lamdin, Ezra, A.B. 1947. Cleveland, Ohio
 §Lohnes, Willard Erwin (*Vanderbilt Univ. and State Univ. of Iowa*). Waterloo, Iowa
 Ludwick, John Phillip, A.B. 1947. Jackson, Mich.
 ‡Lyon, Wilbur Harvey, Jr. (*Coll. of Wooster*). Bombay, India
 Manson, William Gresham, A.B. 1941. Murfreesboro, Tenn.
 ‡Matthews, Homer Burtis (*Grinnell Coll. and Univ. of Chicago*). Auburndale
 §May, Harold Louis (*Harvard Coll.*). Poughkeepsie, N. Y.
 ‡McDuffie, Frederic Clement (*Harvard Coll.*). Andover

- Meadows, Paul McDonnald, A.B. (*State Univ. of Iowa*) 1947.
Iowa City, Iowa
- *Moore, Robert Francis (*Boston Univ.*).
Somerville
- Murphey, Bradford Griffin, A.B. 1946.
Denver, Colo.
- Murphy, George Byrd, Jr., A.B. (*Univ. of Virginia*) 1946.
Stephenville, Texas
- Nevis, Arnold Hastings, S.B. (*California Inst. of Technology*) 1947.
Glendale, Calif.
- ‡Nielsen, Robert Louis (*Montana State Univ.*).
Missoula, Mont.
- Novick, Alvin, A.B. 1947.
Flushing, N. Y.
- Oates, Robert George, A.B. (*Princeton Univ.*) 1947. Parkersburg, W. Va.
- Olson, Robert Eugene, A.B. (*Gustavus Adolphus Coll.*) 1938, PH.D. (*St. Louis Univ.*) 1944.
Minneapolis, Minn.
- ‡Palladino, Neil Mario (*Union Coll.*).
Bloomfield, N. J.
- Parker, John Eversole, S.B. (*California Inst. of Technology*) 1938.
Pasadena, Calif.
- Peebles, Thomas Chalmers, S.B. 1942.
Boston
- Pellettier, Lawrence Vincent, Jr., A.B. (*Union Coll.*) 1940. Albany, N. Y.
- Perrin, George Midwood, A.B. (*Williams Coll.*) 1947. Wellesley Hills
- Reid, Robert Clay, A.B. (*Univ. of Missouri*) 1947. Peculiar, Mo.
- Reusch, Donald Carlyle, A.B. 1947. Fort Thomas, Ky.
- Richardson, David Walthall, S.B. (*Davidson Coll.*) 1947. Richmond, Va.
- §Richter, Tor (*Univ. of Chicago, Univ. of Michigan, and Univ. of Minnesota*).
Chicago, Ill.
- §Robey, John Stevens (*Dartmouth Coll. and Harvard Univ.*). Cambridge
- Roth, Dover, A.B. (*Coll. of Mines and Metallurgy*) 1947. El Paso, Texas
- Rowe, John Charles, A.B. (*Colgate Univ.*) 1947. Dunkirk, N. Y.
- Rubinstein, Norman Edward, A.B. (*Univ. of Wisconsin*) 1947.
New York, N. Y.
- Shaffer, Frederick Gaylord, A.B. (*West Virginia Univ.*) 1947.
Nestorville, W. Va.
- Singh, Madan Mohan, B.SC. (*Patna Univ., India*) 1942, M.SC. (*ibid.*) 1944.
Gaya, India
- Skinner, Alfred Loring, Jr., S.B. 1947.
Needham
- Sluis, Joost, S.B. (*Massachusetts Inst. of Technology*) 1947, S.M. (*ibid.*) 1947.
Modesto, Calif.
- Snow, David Bruce, A.B. 1947. Manchester, N. H.
- Stanford, John, A.B. (*Amherst Coll.*) 1947. Essex, Conn.
- ‡Strober, Murray (*Columbia Univ.*).
Brooklyn, N. Y.
- Summer, George Kendrick, S.B. (*Univ. of North Carolina*) 1944.
Cherryville, N. C.
- ‡Sult, Francis Laurance (*Coll. of Idaho and Univ. of Idaho*). Cascade, Idaho

- Tisdale, William Allan, S.B. (*Univ. of Florida*) 1947. Gainesville, Fla.
 Toll, Giles Darwin, A.B. (*Williams Coll.*) 1947. Denver, Colo.
 ‡Tomchik, Frederick Stephen (*Junior Coll. of Connecticut and Univ. of Connecticut*). Bridgeport, Conn.
 Tuttle, Elbert Parr, Jr., A.B. (*Princeton Univ.*) 1942. Atlanta, Ga.
 Udall, Addison Richard, S.B. (*Brigham Young Univ.*) 1947. Thatcher, Ariz.
 Vickery, Clement Clifford, A.B. (*Whitman Coll.*) 1946. Akron, Ohio
 Watson, Paul Louis, A.B. (*Cornell Coll.*) 1947. Ogden, Iowa
 Weiner, Aaron David, A.B. (*Brooklyn Coll.*) 1940. Brooklyn, N. Y.
 ‡Wheeler, Henry Orson, Jr. (*California Inst. of Technology, Harvard Coll., and Massachusetts Inst. of Technology*). Los Angeles, Calif.
 White, Arthur Clinton, S.B. (*Univ. of Kentucky*) 1947. Williamsburg, Ky.
 Wilmer, Edward Pancoast, A.B. (*Williams Coll.*) 1947. Granville, N. Y.
 Wingate, James Harmon, S.B. (*Univ. of Washington*) 1947. Tacoma, Wash.
 §Woodbury, Michael Aime (*Univ. of Paris and Harvard Coll.*).
 New York, N. Y.
 ‡Woodward, George Hartley (*Dartmouth Coll.*). Weston, Mass.
 Yaffee, Howard Stanley, A.B. (*Syracuse Univ.*) 1947. Cambridge
 Yanagi, Glenn Noriyuki, A.B. (*Columbia Univ.*) 1944, A.M. (*Harvard Univ.*)
 1945, Ph.D. 1947. Honolulu, T. H.
 Zoglin, Stanton Francis, S.B. 1947. Kansas City, Mo.
 Zukoski, Charles Frederick, 3d, A.B. (*Univ. of North Carolina*) 1947.
 Birmingham, Ala.

SUMMARY

Fourth Year	140
Third Year	144
Second Year	109
First Year	111
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Total	504

COLLEGES REPRESENTED

Alabama Polytechnic Institute	3	Hunter College	1
Alabama, University of	4	Idaho, University of	2
Alberta, University of	1	Illinois, University of	5
Allegheny College	3	Indiana University	1
American University of Beirut	1	Iowa, State University of	2
Amherst College	10	John Carroll University	1
Antioch College	2	Johns Hopkins University	3
Arizona, University of	3	Junior College of Connecticut	1
Arkansas, University of	1	Kansas City Jr. College	1
Ball State Teachers College	1	Kansas State College	1
Barnard College	1	Kansas, University of	1
Bates College	2	Kentucky, University of	3
Belgrade, University of (Yugoslavia)	2	Louisiana Polytechnic Institute	1
Beloit College	1	McGill University	1
Boston College	3	Maine, University of	1
Boston University	3	Manhattan College	2
Bowdoin College	3	Marquette University	1
Brigham Young University	1	Maryland, University of	1
Brooklyn College	2	Massachusetts Institute of Technology	6
Brown University	9	Mercer University	1
Bryn Mawr College	3	Mesa Jr. College	1
California Institute of Technology	5	Miami University	3
California, University of	15	Miami, University of	1
Calvin College	1	Michigan State College	3
Cambridge Jr. College	1	Michigan, University of	5
Carnegie Institute of Technology	2	Middlebury College	2
Centenary College	1	Minnesota, University of	4
Chicago, University of	9	Mississippi, University of	6
Colgate University	2	Missouri, University of	5
College of Idaho	1	Montana State University	2
College of Mines and Metallurgy	1	Montclair State Teachers College	1
College of the City of New York	3	Mount Union College	3
College of the Holy Cross	3	Newark College of Engineering	1
College of the Pacific	1	New Hampshire, University of	1
College of William and Mary	3	New York State College	1
College of Wooster	3	New York University	6
Colorado College	1	Niagara University	2
Colorado, University of	1	North Carolina State College of Agriculture and Engineering	1
Columbia University	5	North Carolina, University of	13
Connecticut, University of	2	Northeastern University	1
Cornell College	2	Northwest Mississippi Jr. College	1
Cornell University	3	Northwestern State College	1
Dartmouth College	20	Northwestern University	1
Davidson College	5	Notre Dame, University of	1
DePauw University	2	Oberlin College	4
Doane College	1	Ohio State University	4
Drew University	1	Oklahoma Agricultural and Mechanical Col- lege	3
Drexel Institute of Technology	1	Oklahoma, University of	3
Duke University	6	Oregon State College	1
East Central Jr. College	1	Paris, University of (France)	2
Eau Claire State Teachers College	1	Patna University (India)	1
Emory University	4	Pennsylvania State College	3
Florida Southern College	1	Pennsylvania, University of	5
Florida, University of	8	Phillips University	1
Fouad First University (Egypt)	1	Pittsburgh, University of	2
Franklin and Marshall College	1	Princeton University	17
Geneva College	1	Providence College	1
George Washington University	2	Puerto Rico, University of	4
Georgia, University of	2	Purdue University	4
Goddard College	1	Radcliffe College	6
Grinnell College	2	Rensselaer Polytechnic Institute	1
Guatemala, University of	1	Rhode Island State College	1
Gustavus Adolphus College	1	Rochester, University of	1
Hamilton College	1	Rutgers University	1
Harvard University	117	St. John's College	1
Haverford College	5	St. John's University	2
Hawaii, University of	1		
Houghton College	1		

St. Louis University	2	Virginia, University of	4
San Marcos, University of (Peru)	1	Wabash College	1
Simmons College	2	Wake Forest College	2
Smith College	1	Washington and Lee University	3
South Dakota School of Mines	1	Washington State College	1
Southern California, University of	1	Washington University	7
Southern Methodist University	2	Washington, University of	7
Southwestern Louisiana Institute	2	Wellesley College	2
Springfield College	1	Wesleyan University	2
Stanford University	6	Western Reserve University	1
Swarthmore College	3	Westminster College (Missouri)	2
Syracuse, University of	4	West Virginia University	4
Tennessee, University of	1	Wheaton College (Illinois)	1
Texas Agricultural and Mechanical College	2	Whitman College	1
Texas Christian University	2	Whitworth College	1
Texas College	1	Williams College	11
Texas, University of	8	Wilno, University of (Poland)	1
The Citadel	3	Wisconsin, University of	7
Toronto, University of	1	Wyoming, University of	2
Tufts College	8	Yale University	14
Union College	5	Youngstown College	1
Union Theological Seminary	1		
United States Naval Academy	1	Total	634
Ursinus College	1	Names counted more than once	130
Utah, University of	5		
Vanderbilt University	4	Total number of students	504
Vermont, University of	3	Entered Advanced Standing	82
Villanova College	3	Number of colleges represented	185
Virginia Military Institute	2	Number of college graduates	247
Virginia Polytechnic Institute	2	Number of non-graduates	257

MEDICAL SCHOOLS REPRESENTED BY MEN WHO
ENTERED SCHOOL WITH ADVANCED STANDING

Alabama Medical College	9	Nebraska, University of	1
Albany Medical College	1	North Carolina, University of	9
Baylor University	1	North Dakota, University of	1
Belgrade, University of (Yugoslavia)	1	Northwestern University	2
Boston University	3	South Dakota, University of	1
California, University of	1	Temple University	1
Cincinnati, University of	1	Texas, University of	1
Columbia University	2	Tufts College	4
Dartmouth College	9	Utah, University of	1
Emory University	3	Vanderbilt University	1
Fouad First University (Cairo)	1	Virginia, University of	2
Georgetown University	1	Washington University	2
Jefferson Medical College	3	Wilno, University of (Poland)	1
Long Island College of Medicine	1		
Louisiana State University	1	Total	82
Maryland, University of	1	Total number of men admitted to advanced standing	82
Medical College of Virginia	3	Total number of men admitted to first year standing	422
Michigan, University of	1		
Minnesota, University of	1	Total	504
Mississippi, University of	7		
Missouri, University of	4		

SCHOOL OF DENTAL MEDICINE

1946-1947

FOURTH CLASS

- †Burrow, Jarrel Gittings (*Amherst Coll.* and *Williams Coll.*). *Elmhurst, Ill.*
 ‡Chase, Henry Ayers (*Yale Univ.*). *Scarsdale, N. Y.*
 ‡Donovan, Edward Lee (*Columbia Univ.* and *Harvard Univ.*). *Norwood*
 §Finbury, Charles Myself (*Harvard Univ.*). *Haverhill*
 ‡Larkin, James Crate, Jr. (*Williams Coll.*). *Buffalo, N. Y.*
 ‡Malkinson, Frederick David (*Harvard Univ.*). *West Hartford, Conn.*
 ‡Soldan, Louis Walter, Jr. (*Cornell Coll.*). *Chicago, Ill.*

THIRD CLASS

- Bilodeau, Leonard Nolet, s.B. (*Providence Coll.*) 1944. *Somerset Centre*
 †Blumberg, Mark Stuart (*Johns Hopkins Univ.* and *Harvard Univ.*).
New York, N. Y.
 Briggs, Leon Royden, Jr., s.B. 1944 (1943). *San Diego, Calif.*
 †Caul, Edward Henry (*Johns Hopkins Univ.* and *Harvard Univ.*).
Middlesex, N. J.
 ‡Clifton, Robert Howarth (*Dartmouth Coll.*). *Fall River*
 Di Dominico, Victor Philip, s.B. (*Brown Univ.*) 1942. *Newton*
 ‡Gravellese, Joseph Angelo (*Boston Univ.*, *Northeastern Univ.*, and *Middle-*
bury Coll.). *West Somerville*
 †Hoffman, John William (*River Falls State Teachers Coll.* and *Middlebury*
Coll.). *Cumberland, Wis.*
 ‡Jenkins, Howard Hall (*Dartmouth Coll.* and *Northeastern Univ.*).
Taunton
 †Mahoney, Edward Aloysius, Jr. (*Harvard Univ.*). *Newtonville*
 ‡Moore, Lawrence Terence (*Gonzaga Univ.*). *Tacoma, Wash.*
 Morel, Arnold Stephen, s.B. (*St. John's Univ.*) 1942. *Brooklyn, N. Y.*
 †Swanson, Lennard (*Swarthmore Coll.* and *West Virginia Univ.*).
Sloatsburg, N. Y.
 †Sweet, Paul LeBaron (*Bates Coll.* and *Bowdoin Coll.*). *Danbury, Conn.*

SECOND CLASS

- §Ammenwerth, Benjamin Kenneth (*Hofstra Coll.* and *Harvard Univ.*).
Bellerose, N. Y.
 Bikoff, David Marvin, s.B. (*Univ. of Michigan*) 1945. *Brooklyn, N. Y.*
 †Bryan, James Elliott (*Wesleyan Univ.*). *Bridgeport, Conn.*
 †Ehrlich, Harold Louis, Jr. (*Emory Univ.*). *Brooklyn, N. Y.*
 †Hoye, Stephen Joseph (*Dartmouth Coll.*). *East Detroit, Mich.*
 †Hutto, James Foy (*Massachusetts Inst. of Technology*). *Andalusia, Ala.*

†Plum, George Elwood (<i>West Virginia Univ.</i> and <i>Univ. of Virginia</i>).	<i>Tunnelton, W. Va.</i>
Schonfeld, Murry David, s.B. (<i>Ohio State Univ.</i>) 1944.	<i>Columbus, Ohio</i>
†Slighter, Ralph Garfield, Jr. (<i>Dartmouth Coll.</i>).	<i>Hamburg, N. Y.</i>

FIRST CLASS

Barbara, Matthew Paul, s.B. (<i>Tufts Coll.</i>) 1946.	<i>South Boston</i>
†Bedrick, Anthony Edward (<i>Providence Coll.</i>).	<i>Fall River</i>
Boyers, Charles Leslie, Jr., A.B. (<i>Marietta Coll.</i>) 1941.	<i>Parkersburg, W. Va.</i>
‡Butler, Richard Lundy (<i>Coe Coll.</i> and <i>Williams Coll.</i>).	<i>Eldora, Iowa</i>
Christman, George, s.B. 1944, s.B. (<i>New York Univ.</i>) 1946.	<i>Belmont</i>
‡Feldman, Merrill Irving (<i>Univ. of New Hampshire</i> and <i>Harvard Univ.</i>).	<i>Brighton</i>
‡Kennedy, Harold Walling (<i>Univ. of Vermont</i>).	<i>Waterbury, Vt.</i>
Kite, Owen William, A.B. 1942.	<i>Trenton, N. J.</i>
Lorber, Mortimer, s.B. (<i>New York Univ.</i>) 1945.	<i>New York, N. Y.</i>
‡Reilly, Philip Augustus, Jr. (<i>Harvard Univ.</i>).	<i>Catskill, N. Y.</i>
Reiner, Eugene Jakob, A.B. (<i>Univ. of Virginia</i>) 1940.	<i>West Hartford, Conn.</i>
†Sowles, James Austin (<i>Bowdoin Coll.</i>).	<i>Wellesley Hills</i>
West, Alvin Irvin, A.B. (<i>New York Univ.</i>) 1946.	<i>New York, N. Y.</i>

SUMMARY

Fourth Class	7
Third Class	14
Second Class	9
First Class	13
Total	43

COLLEGES REPRESENTED

Amherst College	1	Ohio State University	1
Bates College	1	Providence College	2
Boston University	1	River Falls Teachers College	1
Bowdoin College	2	St. John's University	1
Brown University	1	Swarthmore College	1
Coe College	1	Tufts College	1
Columbia University	1	Vermont, University of	1
Cornell College	1	Virginia, University of	2
Dartmouth College	4	Wesleyan University	1
Emory University	1	West Virginia University	2
Gonzaga University	1	Williams College	3
Harvard University	12	Yale University	1
Hofstra College	1		
Johns Hopkins University	2	Counted more than once	15
Marietta College	1		
Massachusetts Institute of Technology	1	Total	43
Michigan, University of	1	Number of colleges represented	33
Middlebury College	2	Number of college graduates	13
New Hampshire, University of	1	Number of non-graduates	30
New York University	3		
Northeastern University	2		

ON JUNE 5, 1947, SEVEN DEGREES WERE CONFERRED AS FOLLOWS:

Burrow, Jarrel Gittings
 Chase, Henry Ayers
 Donovan, Edward Lee
 Finbury, Charles Mysel
 Larkin, James Crate, Jr.
 Malkinson, Frederick David
 Soldan, Louis Walter, Jr.

1947-1948

FOURTH CLASS

Bilodeau, Leonard Nolet, s.B. (<i>Providence Coll.</i>) 1944.	<i>Somerset Centre</i>
†Blumberg, Mark Stuart (<i>Johns Hopkins Univ.</i> and <i>Harvard Univ.</i>).	<i>New York, N. Y.</i>
Briggs, Leon Royden, Jr., s.B. 1944 (1943).	<i>San Diego, Calif.</i>
†Caul, Edward Henry (<i>Johns Hopkins Univ.</i> and <i>Harvard Univ.</i>).	<i>Middlesex, N. J.</i>
†Clifton, Robert Howarth (<i>Dartmouth Coll.</i>).	<i>Fall River</i>
Di Dominico, Victor Philip, s.B. (<i>Brown Univ.</i>) 1942.	<i>Newton</i>
†Gravellese, Joseph Angelo (<i>Boston Univ.</i> , <i>Northeastern Univ.</i> and <i>Middlebury Coll.</i>).	<i>West Somerville</i>
†Hoffman, John William (<i>River Falls State Teachers Coll.</i> and <i>Middlebury Coll.</i>).	<i>Cumberland, Wis.</i>
†Jenkins, Howard Hall (<i>Dartmouth Coll.</i> and <i>Northeastern Univ.</i>).	<i>Taunton</i>
†Mahoney, Edward Aloysius, Jr. (<i>Harvard Univ.</i>).	<i>Newtonville</i>
†Moore, Lawrence Terence (<i>Gonzaga Univ.</i>).	<i>Tacoma, Wash.</i>
Morel, Arnold Stephen, s.B. (<i>St. John's Univ.</i>) 1942.	<i>Brooklyn, N. Y.</i>
†Swanson, Lennard (<i>Swarthmore Coll.</i> and <i>West Virginia Univ.</i>).	<i>Sloatsburg, N. Y.</i>
†Sweet, Paul LeBaron (<i>Bates Coll.</i> and <i>Bowdoin Coll.</i>).	<i>Danbury, Conn.</i>

THIRD CLASS

§Ammenwerth, Benjamin Kenneth (<i>Hofstra Coll.</i> and <i>Harvard Univ.</i>).	<i>Bellerose, N. Y.</i>
Bikoff, David Marvin, s.B. (<i>Univ. of Michigan</i>) 1945.	<i>Brooklyn, N. Y.</i>
†Bryan, James Elliott (<i>Wesleyan Univ.</i>).	<i>Bridgeport, Conn.</i>
†Ehrlich, Harold Louis, Jr. (<i>Emory Univ.</i>).	<i>Brooklyn, N. Y.</i>
†Hoye, Stephen Joseph (<i>Dartmouth Coll.</i>).	<i>East Detroit, Mich.</i>
†Hutto, James Foy (<i>Massachusetts Inst. of Technology</i>).	<i>Andalusia, Ala.</i>

- †Plum, George Elwood (*West Virginia Univ. and Univ. of Virginia*).
Tunnelton, W. Va.
- Schonfeld, Murry David, S.B. (*Ohio State Univ.*) 1944. Columbus, Ohio
- *Sills, Robert A, A.B. (*Univ. of Illinois*) 1941, S.B. (*ibid.*) 1942, M.D. (*ibid.*)
1944. Chicago, Ill.
- *Winnard, Keith Edwin, B.A. (*Univ. of Vienna*) 1934 [*Univ. of Vienna*
Medical School]. Cambridge

SECOND CLASS

- Boyers, Charles Leslie, Jr., A.B. (*Marietta Coll.*) 1941. Parkersburg, W. Va.
- ‡Butler, Richard Lundy (*Coe Coll. and Williams Coll.*). Eldora, Iowa
- Christman, George, S.B. 1944, S.B. (*New York Univ.*) 1946. Belmont
- ‡Feldman, Merrill Irving (*Univ. of New Hampshire and Harvard Univ.*).
Brighton
- Kite, Owen William, A.B. 1942. Trenton, N. J.
- Lorber, Mortimer, S.B. (*New York Univ.*) 1945. New York, N. Y.
- ‡Reilly, Philip Augustus, Jr. (*Harvard Univ.*). Catskill, N. Y.
- Reiner, Eugene Jakob, A.B. (*Univ. of Virginia*) 1940. West Hartford, Conn.
- †Sowles, James Austin (*Bowdoin Coll.*). Wellesley Hills
- West, Alvin Irvin, A.B. (*New York Univ.*) 1946. New York, N. Y.

FIRST CLASS

- Allen, Charles Sumner, S.B. (*Mankato State Teachers Coll.*) 1941.
Mankato, Minn.
- †Bland, George Ballard (*Univ. of Arizona*). Tucson, Ariz.
- †Chastanet, Alan Arthur (*Howard Univ.*). St. Lucia, B.W.I.
- Curtin, Victor Thomas, A.B. 1947. Methuen
- ‡Farrell, David Joseph (*Tufts Coll. and Harvard Coll.*). Watertown
- Farrell, John Frederick, A.B. (*Indiana Univ.*) 1947. Washington, D. C.
- Helfand, Zolman, S.B. (*Tufts Coll.*) 1947. Milford
- Hinson, Harry Lee, S.B. (*Wake Forest Coll.*) 1942. Charlotte, N. C.
- †Jones, Thomas London, Jr. (*Univ. of Vermont and Washington Univ.*).
Detroit, Mich.
- Lucas, Jason Edward, A.B. 1947. Boston
- †Malone, Robert Paul (*Tufts Coll.*). Arlington
- Rohde, Karl Lee, Jr., S.B. 1947. Cambridge
- Samaha, Emile Charles Abdelnour, S.B. (*Univ. of New Hampshire*) 1946.
Plymouth, N. H.
- Schwartz, Abraham, A.B. (*Brown Univ.*) 1941. Providence, R. I.
- †Theus, Walter Wyman (*Univ. of South Carolina*). Estill, S. C.

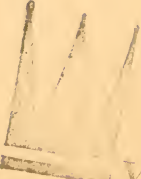
SUMMARY

Fourth Class	14
Third Class	10
Second Class	10
First Class	15
	<hr/>
Total	49

COLLEGES REPRESENTED

Arizona, University of	1	Providence College	1
Bates College	1	River Falls Teachers College	1
Boston University	1	St. John's University	1
Bowdoin College	2	South Carolina, University of	1
Brown University	2	Swarthmore College	1
Coe College	1	Tufts College	3
Dartmouth College	3	Vermont, University of	1
Emory University	1	Vienna, University of (Austria)	1
Gonzaga University	1	Virginia, University of	2
Harvard University	13	Wake Forest College	1
Hofstra College	1	Washington University	1
Howard University	1	Wesleyan University	1
Illinois, University of	1	West Virginia University	2
Indiana University	1	Williams College	1
Johns Hopkins University	2		<hr/>
Mankato State Teachers College	1	Counted more than once	64
Marietta College	1		<hr/>
Massachusetts Institute of Technology	1	Total	49
Michigan, University of	1	Entered Advanced Standing	2
Middlebury College	2	Number of colleges represented	36
New Hampshire, University of	2	Number of medical schools represented	2
New York University	3	Number of college graduates	23
Northeastern University	2	Number of non-graduates	26
Ohio State University	1		




JUN 1965
WESBY

